

20000525.qrp v01\_n832.qrl.20000525

Date: Thu, 25 May 2000 19:03:12 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1832

## QRP-L Digest 1832

Topics covered in this issue include:

- 1) [70956] 6 meters...getting started  
by Mighty Mik <mitymik@wenet.net>
- 2) [70957] Re: Recycle CD's  
by K2UD@aol.com
- 3) [70958] Support for DK9SQ Mast  
by "Ed Manuel (N5EM)" <n5em@flash.net>
- 4) [70959] SGC2020  
by "Bernard F. Gaffney, Jr." <n8pvz@arrl.net>
- 5) [70960] Re: HR4K: New Article  
by Pete Burbank <plburbank@kih.net>
- 6) [70961] Re: Support for DK9SQ Mast  
by Paul Womble <pwomble1@tampabay.rr.com>
- 7) [70962] New stuff on website  
by "Ed Tanton" <n4xy@att.net>
- 8) [70963] Shack Cleaning Sale  
by "Thaire Bryant" <tbry37@ici.net>
- 9) [70964] Re: Antennas vs Power Lines  
by "Mikey" <steam@corecomm.net>
- 10) [70965] Portable power supply for DSW?  
by "Brian L. Lewis" <bl@csi.com>
- 11) [70966] Not QRP related but...  
by "Daniel" <hamop@pixi.com>
- 12) [70967] SST 40 with three VX0 xtals and Tick Keyer for sale  
by "Karl Heimbach" <heimbachk@mindspring.com>
- 13) [70968] QRP Field Day and Logging ?s  
by "Chuck Carpenter" <w5usj@globeco.net>
- 14) [70969] FW: Antennas vs Power Lines  
by Nick Kennedy <nkennedy@tcainternet.com>
- 15) [70970] Re: Recycle CD's  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 16) [70971] SMK-1 has found a home  
by "M Rice" <ka4niv@mindspring.com>
- 17) [70972] re: [PR:951] Ham News In Wilmington NC STAR  
by "Randy Joiner" <biggman@accucomm.net>
- 18) [70973] 6 meters....Thanks!  
by AdamN7YA@aol.com
- 19) [70974] NJQRP's PSK?

- by Rohn <rohn@pubrats.com>
- 20) [70975] Re: Ground, short dipole, and etc.  
by "n6wg:First n6wg:Last" <n6wg@earthlink.net>
- 21) [70976] Re: Not QRP related but...  
by Ray Colbert <af852@rgfn.epcc.edu>
- 22) [70977] Re: Potential Beginner  
by "n6wg:First n6wg:Last" <n6wg@earthlink.net>
- 23) [70978] Re: Not QRP related but...  
by RangerSF5@aol.com
- 24) [70979] Re: The Value of a Used Kit  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 25) [70980] RE: Solar Panel Angle  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 26) [70981] RE: Recycle CD's  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 27) [70982] Re: Not QRP related but...  
by Wb8siw@aol.com
- 28) [70983] Doublet software program  
by "David Hurley,n2zhy" <n2zhy@amsat.org>
- 29) [70984] RE: HW8 as first station?  
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 30) [70985] FS update: Magnetic circuit breakers  
by Dave Redfearn <n4elm@home.com>
- 31) [70986] Re: Dixie Pixie success  
by "Maddog 'n' Miracles" <maddog@io.com>
- 32) [70987] FS: JPS NRF-7 outboard DSP filter  
by Dave Redfearn <n4elm@home.com>
- 33) [70988] Triple Crown MW Contest, Second Leg  
by "Ed, AC5DC" <ac5dc@ipa.net>
- 34) [70989] FS: 2 watt solar panel  
by Dave Redfearn <n4elm@home.com>
- 35) [70990] Re: NJQRP's PSK31-80m Transceiver  
by "George Heron N2APB" <n2apb@erols.com>
- 36) [70991] [SOLAR] Update info for 5-25  
by "Paul Harden, NA5N" <na5n@rt66.com>
- 37) [70992] QRP PCB design question  
by Peter Loveridge <peterlov@ihug.co.nz>
- 38) [70993] Re: QRP Field Day and Logging ?s  
by "JC Smith" <jc-smith@worldnet.att.net>
- 39) [70994] FW: WWV-Message  
by "Ed Tanton" <n4xy@att.net>
- 40) [70995] Archive: QRP-L CD Ver 3 Available from N4BP  
by Bob Patten <n4bp@bc.seflin.org>
- 41) [70996] Re: QRP PCB design question  
by "Leon Heller" <leon\_heller@hotmail.com>
- 42) [70997] Re: Recycle CD's  
by "Sly, 9M8SL" <cqsly@tm.net.my>
- 43) [70998] Re: Recycle CD's

by "Leon Heller" <leon\_heller@hotmail.com>

44) [70999] High Resolution ARCI Logo  
by "James P. Osburn, P.E." <j.p.osburn@ieee.org>

45) [71000] Re: [PR:951] Ham News In Wilmington NC STAR  
by W1R0@aol.com

46) [71001] Re: Recycle CD's  
by David Hinerman <dlh1009@ritvax.isc.rit.edu>

47) [71002] RE: HR4K: New Article  
by "Art Marshall" <artm@t-com.com>

48) [71003] Re: Old books on wireless? Reprints?  
by Nils R Young <nilsbull@juno.com>

49) [71004] BLT: No Figures wth my kit  
by "Mark Adams" <k2qo@hotmail.com>

50) [71005] Re: Portable power supply for DSW?  
by Richard Matthews <prm@hiwaay.net>

51) [71006] Re: Antennas: W6JJZ's Simple Antenna with LOW LOW Loss, or What I learned today.  
by "Richard E. Robinson" <rerobins@email.uncc.edu>

52) [71007] SST 40 w/ 3 VX0 xtals and Tick Keyer - Sold  
by "Karl Heimbach" <heimbachk@mindspring.com>

53) [71008] Unbuilt NC-20 still FS  
by Michael Melland <badger@vbe.com>

54) [71009] I'll tell you what . . .  
by John R Kirby <n3aaz-qrp@juno.com>

55) [71010] Re: QRP Field Day and Logging ?s  
by Jim Stafford <w4qo@amsat.org>

56) [71011] Re: Portable power supply for DSW?  
by John AE5X <ae5x@juno.com>

57) [71012] FS: QRP XCVRs (SOLD)  
by Ken Newman <N2CQ@citnet.com>

58) [71013] Re: SGC2020  
by "Randy Randall" <RANDALLR@Healthall.com>

59) [71014] Re: Recycle CD's  
by "Mike Yetsko" <myetsko@insydesw.com>

60) [71015] RE: QRP rigs for Sale  
by Jeff Grudin <grudin@vdb.com>

61) [71016] Trap Dipole Suggestions  
by "Mike Yetsko" <myetsko@insydesw.com>

62) [71017] Re: SGC2020  
by "Larry Acklin" <larrya@compu-fixinc.com>

63) [71018] Re: HW8 as first station?  
by "Gary Lee Phillips" <ka9nzi@arrl.net>

64) [71019] 2XQRP-WAC finally!  
by "Lau, Zack, W1VT" <zlau@arrl.org>

65) [71020] Re: Antennas: W6JJZ's Simple Antenna with LOW LOW Loss, or What I learned today.  
by "Doug Hendricks" <ki6ds@hotmail.com>

66) [71021] Apology for missed place post

by "Cherry, Mark" <mark.cherry@quickstart.com>

67) [71022] Re: Old books on wireless? Reprints?  
by "Gary Lee Phillips" <ka9nzi@arrl.net>

68) [71023] SMK Parts Error: Minor, DON'T Panic!!, Grin  
by "Doug Hendricks" <ki6ds@hotmail.com>

69) [71024] Re: Queskin about winding binocular forms  
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

70) [71025] WTB : 30 meter rig .....  
by osier <osier@northnet.org>

71) [71026] ARP-L CD Volume 3  
by "K7RXV" <K7RXV@email.msn.com>

72) [71027] Re: QRP Field Day and Logging ?s  
by "JC Smith" <jc-smith@worldnet.att.net>

73) [71028] FS Ten Tec 509 +  
by Gordon <gordon@znet.groupz.net>

74) [71029] Re: Trap Dipole Suggestions  
by "n6wg:First n6wg:Last" <n6wg@earthlink.net>

75) [71030] Back in Germany from FDIM  
by DL2FI@t-online.de (Peter Zenker)

76) [71031] RE: Queskin about winding binocular forms  
by Karl Kanalz <KKanalz@excel.com>

77) [71032] ARCI Hootowl Sprint - Cub Owners Note  
by Jim Stafford <w4qo@amsat.org>

78) [71033] OT: Toshiba T3600 laptop info needed  
by PDouglas12@aol.com

79) [71034] [Dayton] FDIM Feedback form now online  
by Jim Stafford <w4qo@amsat.org>

80) [71035] Re: Antennas: W6JJZ's Simple Antenna with LOW LOW Loss, or  
What I learned today.  
by "Sly, 9M8SL" <cqsly@tm.net.my>

81) [71036] Re: ARP-L CD Volume 3  
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>

82) [71037] [FORUM] New features added/announced  
by Jim Stafford <w4qo@amsat.org>

83) [71038] OT- book-OPAMP stability  
by David Shalita <af389@lafn.org>

84) [71039] [CLUB] QRP ARCI Member Lookup now ONLINE  
by Jim Stafford <w4qo@amsat.org>

85) [71040] SGC Website  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>

86) [71041] Re: OT- book-OPAMP stability  
by "Paul Christensen" <paulc@mediaone.net>

87) [71042] Re: Portable power supply for DSW?  
by Jim/Julia <w7ls@blarg.net>

88) [71043] Re: OT- book-OPAMP stability  
by "Paul Christensen" <paulc@mediaone.net>

89) [71044] Re: SGC2020  
by "Richard E. Robinson" <rerobins@email.uncc.edu>

- 90) [71045] Re: HR4K: New Article  
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 91) [71046] CQ WW WPX rules  
by Roger Hightower <n7kt@worldnet.att.net>
- 92) [71047] Re: HR4K: New Article  
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
- 93) [71048] Re: Portable power supply for DSW?  
by "Rod, N0RC" <n0rc@qsl.net>
- 94) [71049] F.S. QRP Rigs  
by Ed Kessler <edkess@epix.net>
- 95) [71050] F.S. Atomic Keyer  
by Ed Kessler <edkess@epix.net>
- 96) [71051] RE: SGC2020  
by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
- 97) [71052] Re: Not QRP related but...  
by "Daniel" <hamop@pixi.com>
- 98) [71053] Re: HR4K: New Article  
by Michael Neverdosky <mneverdosky@earthlink.net>
- 99) [71054] Re: HR4K: New Article  
by "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
- 100) [71055] [CONTEST]QRP Contesting - May 27-30, 2000  
by Ken Newman <N2CQ@citnet.com>
- 101) [71056] dixie pixie test  
by neil tanner <ntan@crosslink.net>
- 102) [71057] Re: SGC2020 and K2  
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 103) [71058] Re: OT- book-OPAMP stability  
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 104) [71059] AT Trip - posted to web  
by wd3p@juno.com
- 105) [71060] QRP-L CD Vol 3 - for VK/ZL  
by David Matthews <vk2kfa@yahoo.com>
- 106) [71061] FS QRP transcievers  
by Mercxx@aol.com
- 107) [71062] Network Analyzer fun continues.  
by Ed Loranger <we6w@qsl.net>
- 108) [71063] QRP-L CD Vol 3 in Production  
by Bob Patten <n4bp@bc.seflin.org>
- 109) [71064] SGC Information  
by Steve Yates <aa5tb@yahoo.com>

-----  
Date: Wed, 24 May 2000 16:22:41 -0700  
From: Mighty Mik <mitymik@wenet.net>  
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [70956] 6 meters...getting started  
Message-ID: <392C6441.63DD0926@wenet.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If you already have a 20 meter rig, get the TenTec transverter. All mode 6 meters rigs seem to be scarce, and expensive if new. Someone else may want to chime in on the MFJ rig.

WD8MNV/6

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Date: Wed, 24 May 2000 19:21:47 EDT  
From: K2UD@aol.com  
To: colcal@srv.net  
Cc: qrp-1@lehigh.edu  
Subject: [70957] Re: Recycle CD's  
Message-ID: <22.63deaae.265dbe0b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Unused CDs that clutter your mailbox:

- 1.) Make excellent Christmas tree ornaments.
- 2.) Are great for target practice. Try to put a .22 through the middle of it.
- 3.) Look dandy hanging from your rear view mirror (check your state's DMV regulations concerning dandy things hanging from your rear view mirror).
- 4.) Are cheap and easy Frisbee's.
- 5.) Not very good as antenna insulators, too weak.

72

Howard Kraus, K2UD

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Date: Wed, 24 May 2000 18:27:14 -0500  
From: "Ed Manuel (N5EM)" <n5em@flash.net>  
To: qrp-1@lehigh.edu  
Subject: [70958] Support for DK9SQ Mast  
Message-ID: <4.1.20000524182105.009ce2d0@pop.flash.net>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gang,

I'm curious as to arrangements others have created for supporting the 10 meter pole in an open area. It's easy if you have a car or picnic table to lash your pole to but what are you folks doing if you have an open field? I could always affix some guy cords to it and stake them out - no problem. I was just wondering if someone has created an elegant arrangement to hold it upright without significantly increasing the area needed by guy wires.

72s  
Ed, N5EM

-----  
Date: Wed, 24 May 2000 20:10:37 -0400  
From: "Bernard F. Gaffney, Jr." <n8pvz@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [70959] SGC2020  
Message-ID: <4.2.2.20000524200349.00a2c340@mail.surf.free.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I'm considering getting an SGC2020. Would appreciate hearing from those in the group who use or have used one, and what you think about it's performance, especially in the QRP arena. I've been to their WEB page and downloaded the operator's manual, but would like to hear from the Ham in the Street.

Please reply directly to me, to keep the list bandwidth down.

Tnx

72 de N8PVZ

---bernie

Bernard F. Gaffney, Jr. N8PVZ  
MI-QRP# M-1152 QRP-ARCI# 9446  
n8pvz@arrl.net  
<http://www.familytreemaker.com/users/g/a/f/Bernard-F-Gaffney-Jr/>

Searching for Gaffney, Gascho, Moers, and Hetzer

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Date: Wed, 24 May 2000 20:20:38 -0400  
From: Pete Burbank <plburbank@kih.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [70960] Re: HR4K: New Article  
Message-ID: <3.0.32.20000524202033.007339c0@kih.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 04:06 PM 5/24/00 -0600, you wrote:

>I have added a new article about how to make a "spark  
>gap" transmitter. (Relax! the method I propose should not cause serious  
>RFI ;-)  
>

Most cats have an aversion to the static spark thing (having heard  
about early experiments with cat fur and amber}. "Cat fur" connotes  
"minus the cat" so they don't like that either.

73 Pete NV4V

-----  
Date: Wed, 24 May 2000 20:27:14 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: n5em@flash.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [70961] Re: Support for DK9SQ Mast  
Message-ID: <392C7362.AF6D1AB2@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I have been using mine with guy rope. Three 1/8" ropes...tied about  
half way up the pole. At the ground are metal tent stakes I found at  
WalMart. These are the round ones with a green plastic part at the  
top. The plastic hooks have a round eye on one end...and a "hook" on  
the other end.

Another ham here uses his with about 24" of 1" angle iron. He drives  
the angle iron into the ground about 1/2 way...then holds the pole to  
the angle iron with two clamps. The clamps can be found at Home Depot  
for \$1.00.

The angle iron method is faster than my guy ropes...but I think in high



winds the guys are worth the few extra minutes.

73

Paul AJ4Y

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Polk County Amateur Radio Emergency Services:

<http://www.qsl.net/polkares>

Florida Contest Group:

<http://www.qsl.net/fcg>

-----  
Date: Wed, 24 May 2000 20:38:13 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Cc: "FISTS" <fists@qth.net>, "Jim Stafford W4Q0" <w4qo@amsat.org>, "CW Reflector" <cw@qth.net>  
Subject: [70962] New stuff on website  
Message-ID: <CKEGICNFDIMCEKEDCEHFIEIFCIIA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello all... there are new (or, at least, new on the site) things to see on my website... my ARGO II that returned home; new photos (with many available in high resolution as well) of several keys, bugs, and paddles; and my Kantronics Rockhound tx. Please drop by for a look.

73 Ed Tanton <n4xy@arrl.net> K2# 0057 (FT)

Technical Editor QRP ARCI "QRP Quarterly"

Ed Tanton N4XY  
189 Pioneer Trail  
Marietta, GA 30068-3466

website: <http://www.qsl.net/n4xy/>

-----  
Date: Wed, 24 May 2000 21:08:01 -0400  
From: "Thaire Bryant" <tbry37@ici.net>

To: "QRP-L" <QRP-L@lehigh.edu>  
Subject: [70963] Shack Cleaning Sale  
Message-ID: <200005250111.VAA14279@bajor.ici.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Laptop and KPC-3 sold...Icom 730, PS 15 , Icom 275H still available.

73

Thaire W2APF

-----  
Date: Wed, 24 May 2000 20:16:49 -0500  
From: "Mikey" <steam@corecomm.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [70964] Re: Antennas vs Power Lines  
Message-ID: <004201bfc5e6\$e7df8a40\$c71028d0@megsinet.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

This depends on which power lines you are talking about crossing.=20

The service drop that goes from the pole to the house is the one I believe most are concerned with. A close look at that=20 triplex cable will reveal a bare cable which serves to support the two hot cables and also serves as the neutral, which is=20 grounded periodically at the poles and also at the house.=20 The hot wires are only 120 volts each and are insulated with very=20 tough insulation.=20

In my installation, if I have a couple of antennas which could land on the service drop if they fell. Heck, I throw my dipole wire right across it when I'm pulling it up!! (no more risk than touching an extension cord in your house, unless your service drop is=20 100 year-old junk, in which case it should be upgraded anyway.) I suppose my R5 vertical could conceivably hit the cable if it fell, but the R5's grounded with number 4 cable, so I feel pretty safe.

Now I have seen installations where if the thing fell over, it would fall into PRIMARY cable which is the three at the top of the wood poles. Guys, this is a major no-no. Any contact with these cables

will at least melt the tower legs or antenna parts, and at worst,  
burn down the block and/or cause a power outage, all of which  
you will be held liable for. Oh, and your insurance carrier won't=20  
cover it either unless you carry a rider.

I can't imagine being willing to take that kind of risk, but=20  
apparently many hams are. We're talking 12,000 volts guys.=20  
If you've ever seen one of these thing blow or short,  
you'll never forget it or lose respect for it again. When I've dug  
through mis-marked primary cables in the ground, they actually  
MELT the teeth off the backhoe bucket. The damage it does to=20  
a human body is unspeakable, even if one is lucky enough to  
survive.

I know there will be differing opinions, but I've been a lineman for=20  
20 years. I've seen it all and don't want any more horror stories.  
Play safe..... and play again tomorrow.

<><> <><> <><> <><> <><> <><> <><> <><> <><> <><>  
Mike Pender Chicago N9IV0  
steam@corecomm.net http://www.corecomm.net/~steam =20  
<><> <><> <><> <><> <><> <><> <><> <><> <><> <><>

-----  
Date: Wed, 24 May 2000 20:19:46 -0500  
From: "Brian L. Lewis" <bl@csi.com>  
To: qrp-l@lehigh.edu  
Subject: [70965] Portable power supply for DSW?  
Message-ID: <392C7FB2.290DC264@csi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone have suggestions for portable power supply for DSW-40. I will be  
backpacking, so lightweight is essential. Will 8 AA's provide enough  
current? That seems to work, but manual say 500ma recommended? Other  
suggestions?

Thanks

Brian Lewis  
K5RV QRP-L 324

--

Brian Lewis  
Goodall and Brian Lewis Studio  
www.brianlewis.com  
www.equine-images.com

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Date: Wed, 24 May 2000 15:26:39 -1000  
From: "Daniel" <hamop@pixi.com>  
To: <qrp-1@Lehigh.EDU>  
Subject: [70966] Not QRP related but...  
Message-ID: <200005250126.PAA01735@phoenix.pixi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I have a Hallicrafters SX-99 receiver and while tuning around, one of the Dial Cords snapped. I was wondering what a good place would be to go, to replace this cord.

Thanks,  
Daniel  
AH7MI

-----  
Date: Wed, 24 May 2000 20:30:21 -0500  
From: "Karl Heimbach" <heimbachk@mindspring.com>  
To: "QRP L Reflector" <qrp-1@Lehigh.EDU>  
Subject: [70967] SST 40 with three VXO xtals and Tick Keyer for sale  
Message-ID: <00f601bfc5e8\$d4803600\$5f0505ac@phoenix>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Gang,

I have an assembled SST-40 with three parallel VXO crystals and an installed Tick keyer for sale.

With the three crystals, the frequency coverage is 7.002 to 7.043 at approximately 2.5 watts. The Tick keyer is hot-melt glued to the inside of the top cover with a pushbutton installed on the front of the case and an additional 1/8" paddle jack on the back.

There are a couple of scratches on top of the unfinished aluminum case. I am listening to the rig as I type this and can email a picture(s) if anyone is interested.

I'd like \$75 shipped to the US addresses.

Karl - W5QJ

-----  
Date: Wed, 24 May 2000 20:35:03 -0500  
From: "Chuck Carpenter" <w5usj@globeco.net>  
To: qrp-1@Lehigh.EDU  
Subject: [70968] QRP Field Day and Logging ?s  
Message-ID: <3.0.2.32.20000524203503.007a9100@mail.globeco.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

Is there a logging program that would be considered best for Field Day logging?

I know this sort of question has been around before but didn't need to know at the time.

It looks like we'll be doing central logging for the group from individual input.

Our operation will be mixed QRO and QRP with me doing the CW QRP. No extra bennies here, just my personal satisfaction. We'll be operating from the Historical Park in Emory, Rains County, TX using my W5USJ call, probably 2A NTX.

CW will be mostly on 40 and 20 and hope for some good openings on 6 CW and SSB. I'll be checking the high HF bands too. My rig will be the 706MKIIG running from a solar charged battery. The 706 is not power efficient for QRP but it's a 200 AHr deep cycle battery with two 50W panels and a good regulator controller. Should last for 24 hours OK. (The sun always shines brightly in TX in June.) I'll be using a W9INN 40, 20, 15, 10 dipole and a 2 element 6 and 2 VHF quad.

Chuck Carpenter, Point, Rains County, Texas -- EM22cv, RARA #003

ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

-----  
Date: Wed, 24 May 2000 20:36:20 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>  
Subject: [70969] FW: Antennas vs Power Lines  
Message-ID: <01BFC5BF.B8F2AB80.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

First, which lines are we talking about? If you mean that bare wire or wires coming down the street or alley that feeds your transformer. NEVER run your antenna over or near it. I'm not a safety nut, but those wires are typically 13.8 KV phase to phase and 8 KV phase to ground. Kill you dead, fry your rig, burn your house down.

The drop from the pole to the house (unless underground)--two insulated wires twined around a ground/neutral. 240 volts wire to wire and 120 volts to ground. Obviously less dangerous, although just as obviously I'm not gonna advise getting near it. If you're crazy enough to do it, though, at least use insulated antenna wire rated for say 600 volts or so.

72--Nick, WA5BDU

So... I am asking for the collective wisdom of the list. Do you folks typically make whatever sacrifices are necessary in order to strictly follow the power line rule (even if it means avoiding back yard antennas over 10 feet above ground) or do you go ahead and fudge a bit, erecting antennas which actually could fall down on the power line? If you do bend/break the rule, do you take any sort of special measure or precautions to mitigate the risk?

--Jim WB5UDE

-----  
Date: Wed, 24 May 2000 21:51:10 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-l@lehigh.edu  
Subject: [70970] Re: Recycle CD's  
Message-ID: <3.0.6.32.20000524215110.0079bbc0@vmsspop.rit.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 07:21 PM 5/24/00 -0400, you wrote:

>Unused CDs that clutter your mailbox:

>

>1.) Make excellent Christmas tree ornaments.

>

>2.) Are great for target practice. Try to put a .22 through the middle of  
>it.

>

>3.) Look dandy hanging from your rear view mirror (check your state's DMV  
>regulations concerning dandy things hanging from your rear view mirror).

>

>4.) Are cheap and easy Frisbee's.

>

>5.) Not very good as antenna insulators, too weak.

Howard et al:

I have another one I'm working on. Watch this space. (No, it's not a pony tail holder, either. I keep trying to get my daughters to wear one that way, but neither has the vision for fashion that I do.) As soon as I finish the project and get a video grabber working (or access to a digital camera) I'll post some photos.

Dave

-----

Date: Wed, 24 May 2000 21:51:28 -0400

From: "M Rice" <ka4niv@mindspring.com>

To: <qrp-1@lehigh.edu>

Subject: [70971] SMK-1 has found a home

Message-ID: <005601bfc5eb\$bf432ba0\$9bc6f7a5@ms745206>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Greetings all ...

Have received a brand new SMK-1 courtesy of a friend's pilgrimage to Dayton - gonna be a project for the Greer, SC ARC.

Can anyone tell me where to find the serial#?

Thanks in advance ... y'all are the greatest!

Maurice, KA4NIV  
QRP-L# 1159  
ARS# 179

-----  
Date: Wed, 24 May 2000 22:02:00 -0400  
From: "Randy Joiner" <biggman@accucomm.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [70972] re: [PR:951] Ham News In Wilmington NC STAR  
Message-ID: <001a01bfc5ed\$3d1e9a40\$0fec443f@accucomm.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks send this newspaper a note telling how much you appreciate them  
printing the article. I DID!

Randy N4SX

-----  
Date: Wed, 24 May 2000 22:02:29 EDT  
From: AdamN7YA@aol.com  
To: qrp-l@lehigh.edu  
Subject: [70973] 6 meters....Thanks!  
Message-ID: <9.5e3b125.265de3b5@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Thanks to the TONS of replies i received on and off the list...it seems that  
the TT 20 to 6 transverter is the most popular by far, and affordable as  
well...so i may give that one a go.

Thanks again, this is the best list....sappy as it may sound, its true!

72/73/74...Adam, N7YA  
Las Vegas, NV...Zone 03  
QRP-L #1608, SOC #143, Y Guy #2  
Code Warrior #76, Hamusician #1

-----  
Date: Wed, 24 May 2000 21:49:03 -0500 (CDT)  
From: Rohn <rohn@pubrats.com>



To: qrp-1@lehigh.edu  
Subject: [70974] NJQRP's PSK?  
Message-ID: <Pine.LNX.3.96.1000524214510.20697A-1000000@tavern.pubrats.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Maybe I'm mistaken... I thought I read that the NJQRP club would be introducing a new PSK31 kit, or something of some sort related to PSK31, at Dayton. I might've missed it in the last day or so of posts (digested here, usually a day behind the happenings), but in case not... was there anything new?

72/3 and 31.something's...  
Rohn, NORTX

ps/ got one of the SWL PSK-20's on order too - can't get enough ;-)

-----  
Date: Wed, 24 May 2000 19:40:11 -0700  
From: "n6wg:First n6wg:Last" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [70975] Re: Ground, short dipole, and etc.  
Message-ID: <000501bfc5f2\$8e0ae760\$7ed4fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If you use a center fed dipole with equal lengths both sides of the feed point, and feed with balanced line like 300 ohm twinlead, you will not need a ground reference.  
A balanced antenna system is ground independent as far as feeding it.  
Ground still has an effect on where your signal goes, but this is the ground all around you, not a station ground.  
Put up the best antenna you can, match it with the best balanced tuner you can build or buy, and go for it.  
73, Bob N6WG

-----  
Date: Wed, 24 May 2000 21:05:09 -0600  
From: Ray Colbert <af852@rgfn.epcc.edu>  
To: hamop@pixi.com  
Subject: [70976] Re: Not QRP related but...  
Message-ID: <392C9865.7079555C@rgfn.epcc.edu>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I got a small spool of that from Antique Electronic Supply  
<http://www.tubesandmore.com/> and Radio Shack used to  
carry that as well, but not sure if they still do. Antique  
Radio does for sure. and they also have tubes and other  
items to keep the ole 99 going in good style.

73

Ray

--

"The more I see of the representatives of the people, the more I  
admire my dogs." letter from Count d'Orsay to John Foster 1850  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M NARTE-NCT2 SOC#78  
MI-QRP 379QRP-ARCI 5784 NORCAL 1110, El Paso, (FAR WEST) TEXAS

-----  
NetZero - Defenders of the Free World  
Click here for FREE Internet Access and Email  
<http://www.netzero.net/download/index.html>

-----

Date: Wed, 24 May 2000 20:05:47 -0700  
From: "n6wg:First n6wg:Last" <n6wg@earthlink.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [70977] Re: Potential Beginner  
Message-ID: <000901bfc5f6\$20855960\$7ed4fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello Chris

The QRP gang will welcome you with open arms. We're always happy to find a  
new person to share our peculiar form of insanity :-) You will find QRP-L  
(this reflector) a tremendous source of information, both significant and  
trivial. If you have a question and don't know where to turn, start here.

For a startup rig, I would suggest something capable of no less than 2  
watts. There are many kits out there, some doing the full QRP gallon (5w)  
and many doing less, being aimed at backpackers who have to haul their  
batteries with them.

You can go to the QRP ARCI web page <http://www.qrparci.org> for info on kit  
manufacturers. They list quite a few there, but by no means all of them.

One suggestion would be the Small Wonder Labs DSW40, a 2 watt transceiver

with a digital vfo that is more stable than a typical LC vfo. I built an earlier version called the SW40+ that is also quite popular and works well. I won't make any other recommendations, as I expect you will get plenty from other folks.

In the QRP world, you will find a big recommendation to focus on your antenna first, then on the rig. A really great rig won't be very satisfying if you can't get out due to a poor antenna. Many of us tend to be antenna nuts, because wire antennas are fun to play with, and are usually very inexpensive. One thing about QRP when you are tinkering with antennas, you find out very quickly whether you are gaining or losing :-)

Anyway, I say welcome, and hope we can all encourage your interest.  
73, Bob N6WG  
Newark, CA on SF Bay

-----  
Date: Wed, 24 May 2000 23:04:59 EDT  
From: RangerSF5@aol.com  
To: hamop@pixi.com, qrp-1@lehigh.edu  
Subject: [70978] Re: Not QRP related but...  
Message-ID: <c5.5d7e06e.265df25b@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 5/24/00 9:27:50 PM Eastern Daylight Time, hamop@pixi.com writes:

<<  
I have a Hallicrafters SX-99 receiver and while tuning around, one of the Dial Cords snapped. I was wondering what a good place would be to go, to replace this cord.

>>  
Make you'r own.  
Pick up a few feet of # 550 para cord.  
Inside are 7 strands of thinner nylon cord rated at appx. 70 lbs.  
Tie a double hitch knot and you'r all set.  
Or send me you'r snail mail and i'll send you a few feet of SPECTRA CORD.  
Super strong.  
Bob  
WA2HOQrp <tm>

-----  
Date: Wed, 24 May 2000 23:09:28 -0400

From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [70979] Re: The Value of a Used Kit  
Message-ID: <392C9967.FE2A3900@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Interesting notion 1K for a K2.

But now that I think of it, such a figure is in line with a number of things in the real world. Many auto parts dealers discount parts to "professional" customers over walk in business by about that much. Some businesses, contracting, fencing, roofing are known to bill up to 100% over cost on supplies. List price for high end audio gear typically has around a 100% mark up. What is the actual value of a built K2 to somebody that is all thumbs when it comes to building? And can you find a rig with a better receiver section for under \$1000??? The price may seem steep to some but, when looked at compared to "real world" practices it is not really that far out of line.

Since I love #946 so much, let me announce that I will at least consider selling it to the first person who sends me a certified check (made out to me, of course) for ten thousand dollars!!!

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----

Date: Wed, 24 May 2000 23:13:34 -0400  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, "njqrp@njqrp.org" <njqrp@njqrp.org>  
Subject: [70980] RE: Solar Panel Angle  
Message-ID: <392C9A5E.620E18C1@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks for all the advice. The consensus seems to be to set the unit at

an angle equaling local latitude plus or minus 15 degrees to account for seasonal shifts in the sun's height in the sky. I'll be applying it to my cells setup this weekend and let everybody know if it keeps my gel cell gelling.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

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Date: Wed, 24 May 2000 23:20:18 -0400  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [70981] RE: Recycle CD's  
Message-ID: <392C9BF2.9C0ECC49@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The Xtal Set Society recently ran an article in their journal that showed how to turn them into capacitors. I forget which issue but ask around at [www.midnightscience.com](http://www.midnightscience.com)

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+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----

Date: Wed, 24 May 2000 23:21:03 EDT  
From: Wb8siw@aol.com  
To: hamop@pixi.com, qrp-1@lehigh.edu  
Subject: [70982] Re: Not QRP related but...  
Message-ID: <e1.4c6b8e4.265df61f@aol.com>

MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

In a message dated 05/24/2000 9:27:46 PM Eastern Daylight Time,  
hamop@pixi.com writes:

<< I have a Hallicrafters SX-99 receiver and while tuning around, one of the  
Dial Cords snapped. I was wondering what a good place would be to go, to  
replace this cord. >>

Hi Daniel:

Although the gals look at me a little funny, I find myself stopping by the  
fabric store suprisingly often for various restoration and repair projects.  
The most recent was to obtain some heavy-duty green thread to restore a  
tensioning spring on an antique telegraph relay! LOL.

A good fabric / sewing store should have a variety of threads. In  
particular, look for those types used for furniture and carpet repairs. This  
type is quite heavy and durable. I've utilized this source to repair a  
number of antique radios.

73, Jim WB8SIW

-----  
Date: Thu, 25 May 2000 03:22:40 +0100  
From: "David Hurley,n2zhy" <n2zhy@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [70983] Doublet software program  
Message-ID: <392C8E70.216A0866@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I went back and read the article on the FFD, Field Friendly Doublet,  
from back issues of the ARS Sojourner.

>

[http://www.natworld.com/ars/pages/back\\_issues/0698\\_text/ffd.html](http://www.natworld.com/ars/pages/back_issues/0698_text/ffd.html)

>

The software program mentioned, Doublet.exe, sounded very interesting.  
Went to the free site to retrieve and no joy. Emailed Reg/g4fgq and  
this is his reply.

Dear Dave,

Your memory is better than mine. I've forgotten the details of program DOUBLET.exe. And searching through my hard drive it seems I've lost the source code as well.

However, I can assure you it was replaced by a more accurate, updated, and easier to use program DIPOLE1.exe. which has been available from my website for a considerable time.

I had no idea my older programs were so popular. Anyway they've now all bit the dust. Download DIPOLE1. I'm fairly certain it will do what DOUBLET did, only better !

Nice to hear from you.

Regards, Reg.

<http://www.btinternet.com/~g4fgq.regp>

=====  
David Hurley,n2zhy  
Princeton,NJ

-----  
Date: Wed, 24 May 2000 23:24:34 -0400  
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>  
Subject: [70984] RE: HW8 as first station?  
Message-ID: <392C9CF2.A41C998B@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The HW-8 would make a great first station for someone interested in QRP.

--

+++++

T.J. "SKIP" AREY N2EI e-mail [tjarey@home.com](mailto:tjarey@home.com)

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

-----

Date: Wed, 24 May 2000 22:46:01 -0500  
From: Dave Redfearn <n4elm@home.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [70985] FS update: Magnetic circuit breakers  
Message-ID: <392CA1F9.BA0BE296@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

After the run on the 10 amp breakers to use with Ten-Tec gear :-), I still have the following For Sale:

Misc Magnetic DC circuit breakers  
New or little use except as marked  
All \$10.00 each except as marked

Spade lug connectors:

I think these can be used for Ten-Tec Century 21:  
2 -- AIRPAX UPG1-9497-16 amps @ 65 VDC  
1 - AIRPAX UPG1-9502-1 8 amps @ 65 VDC

with screw terminals:  
2 - AIRPAX IPG6-1-51-403-00-V 40 amps @ 32 VDC

More Circuit breakers

I found some AIRPAX 251 breakers  
1 Amp @ 32 VDC  
Orange, rectangular about .75" X .25" X .375"  
3 short solder leads - Line, Load, and a NO contact that connects to the Line lead when tripped.  
These were designed to be mounted on a printed circuit board.  
Could not find any info on the AIRPAX site.

They do trip fast. I've been using some in-line on my NC-20, SSTs, and Sierra and they work fine.  
Would be a good replacement for the PC foil fuse on an MFJ CUB too.

\$5.00 each

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp





\$100.00 + shipping from TX

73 - Dave

=====

Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----

Date: Wed, 24 May 2000 22:48:39 -0500  
From: "Ed, AC5DC" <ac5dc@ipa.net>  
To: qrp-1@Lehigh.EDU  
Subject: [70988] Triple Crown MW Contest, Second Leg  
Message-ID: <200005250348.WAA22359@postoffice5.ipa.net>

I have gone over the logs received and wanted to post a preliminary listing of the scores. If you operated during this leg of the MW contest and haven't sent your log yet, there is only a week to go before the deadline (June 1).

If anyone has a question about their score, let me know and I will provide more details.

N4ROA	37942	
NQ5RP	29564	
WQ4RP	15664	
WE6W	11648	
W9PNE	11528	
KC8OCO	11200	
NF0R	7920	
K1QM	6720	
LZ2RS	2162	
AB8DF	1032	
AL7FS		1

Ed, AC5DC  
Greenwood, AR  
Fort Smith QRP Group

-----

Date: Wed, 24 May 2000 22:54:55 -0500  
From: Dave Redfearn <n4elm@home.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [70989] FS: 2 watt solar panel

Message-ID: <392CA40F.7C77968A@home.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale:

Solarex SA2-12V Solar Panel  
2.2 watts 15.0V 145 ma  
Nom Pmax = 3.0 w Voc = 23.6 V Isc = 190 ma

size: approx 7" X 14", plastic with glass front  
36" power lead.

Excellant condition, not used much, no weathering.

\$50.00 OBO + shipping from TX

73 - Dave

=====  
Dave Redfearn, ARS N4ELM, McKinney, TX  
Email: n4elm@NOJUNKhome.com (to reply, remove NOJUNK)  
QRL? de N4ELM/qrp

-----  
Date: Thu, 25 May 2000 00:00:08 -0400  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "NJQRP" <NJQRP@njqrp.org>, "Low Power Amateur Radio Discussion" <qrpl@lehigh.edu>  
Subject: [70990] Re: NJQRP's PSK31-80m Transceiver  
Message-ID: <00bd01bfc5fd\$bb39fa40\$f55daccf@ire.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

There wasn't an official, general announcement of the PSK31-80m kit, but we indeed had several of the prototypes on hand during Dave Benson's interesting PSK31 talk, and during the hospitality evening sessions at Dayton this past weekend. N2CX and I even had some actual QSOs in progress there on the table Friday evening!

The basic story is this: The NJQRP Club will be making available a PSK31 transceiver kit (board, parts and controls) that works on a narrow range of frequencies near 3.580 MHz in the 80m band. Dave Benson, NN1G created this simpler, stripped-down version of his PSK31-20m transceiver design and the

NJQRP Club is creating the kit of parts, the manual, and application notes.

This NJQRP PSK31-80m kit will be sold so as to help provide a low cost way for hams to try out this digital mode, and also as a way to seed interest in use of PSK31 in the 80m band. For example, this project provides an outstanding vehicle for local net operation in the evening hours (e.g., 80m at low power would be good for several hundred mile radius, and coupled with error-free reception clubs could have a ready-made net!)

NN1G is a member of the NJQRP Club and has contributed his PSK31-80m transceiver design to the club for our kitting and sale as a way to help fund the Atlanticon QRP weekend next March. In this way QRPers around the world will continue to be able enjoy presentations and technical papers from worldclass experts in our hobby here on the East Coast. Thanks so very much for your generosity Dave!

Although the prototype boards are now finalized and quite operational, we want to have the kit complete and in stock before we announce availability and take orders. (We're awaiting several longer-lead parts from the vendors.) The price of the PSK31-80m kit will be very affordable (in the \$30's) and will ship immediately when we open up the gates in July.

Thanks for the tremendous interest expressed by many of the Dayton attendees, and from those on QRP-L. Dave Benson and Skip Teller (author of the companion DigiPan software) have created an incredibly convenient, inexpensive and capable way of operating this digital mode ... this is going to be a fun!

72, George N2APB  
n2apb@amsat.org  
for the NJQRP Club at <http://www.njqrp.org>

PS: And of course you've all seen the NN1G and KH6TY feature article in QST this month, overviewing the panoramic PSK31 transceiver for 20m. It's great!

=====

Maybe I'm mistaken... I thought I read that the NJQRP club would be introducing a new PSK31 kit, or something of some sort related to PSK31, at Dayton.

-----

Date: Wed, 24 May 2000 22:21:37 -0600 (MDT)  
From: "Paul Harden, NA5N" <na5n@rt66.com>  
To: qrp-l@lehigh.edu

Subject: [70991] [SOLAR] Update info for 5-25  
Message-ID: <Pine.SUN.4.10.10005242140330.29255-100000@shell.rt66.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

Got lots of email about my earlier post on the severe geomagnetic storm, and sure enough, several guys were relieved to find out it was NOT their antenna. Now when you think your antenna is shorted, that's the best definition I've heard of for an "HF blackout!" But it also demonstrates how many new people are on the list and have missed previous explanations on solar activity and it's associated phenomenon, so I will use today's RSGA (Report of Solar-Geophysical Activity) to briefly explain what this stuff is about using the current solar and geomagnetic conditions. This may be old hat for some of you.

Below is today's RSGA, which is issued daily by NOAA, followed by some commentary. This can also be seen at: [www.sec.noaa.gov/today.html](http://www.sec.noaa.gov/today.html)

> JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
> SDF NUMBER 145 ISSUED AT 2200Z ON 24 MAY 2000  
  
> IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z  
> TO 24/2100Z: SOLAR ACTIVITY WAS MODERATE. REGION 8996 (S22W87)  
> PRODUCED AN M1 X-RAY FLARE AT 24/0546Z.

A,B and C class flares are small flares, seldom effect the earth.  
An M-class flare is a MODERATELY large flare than can effect the earth.  
An X-class flare is a LARGE flare that can seriously effect the earth.

Thus,

A-C class flares = LOW solar activity  
M class flare = MODERATE solar activity  
X class flare = HIGH solar activity

Flares are also measured as to their intensity on a 0-9 logarithmic scale, such that a M.9 flare is much larger than an M.1. Today's M.1 flare was therefore a fairly low energetic M class flare.

> AN OPTICALLY UNCORRELATED M1  
> FLARE OCCURRED AT 24/1152Z. THE LIKELY SOURCE FOR THIS FLARE WAS NEW  
> REGION 9017 (S14E76) WHICH HAS EXHIBITED FREQUENT SURGING FOR MOST  
> OF THE PERIOD.

Today, flares are detected by ground-based and spaceborne instruments. An OPTICALLY UNCORRELATED FLARE is one that is detected by various instruments, such as X-ray detectors, but was NOT seen optically. This

is often the case when the flare occurs near the center of the sun where we're looking at it "dead on" and it blends into the very hot background of the sun. But it is still detectable at radio and ionizing radiation wavelengths.

Each new sunspot region is numbered, such as REGION 9017. It is merely a means to track the sunspot/flare area as it moves across the sun. It takes about 28 days for the sun to make a rotation, for which a sunspot group will be visible to the earth for half of that, or 14 days, and the other 14 days will be on the "back side" of the sun. Some REGIONS have short life spans, others survive over many solar rotations.

> REGIONS 9002 (N19W51) AND 9004 (N12W61) CONTINUE TO  
> PRODUCE C-CLASS FLARES. NEW REGIONS 9015 (N13W08) AND 9016 (N26E46)  
> WERE ALSO NUMBERED TODAY.

If they were numbered today, than they are brand new regions of sunspots that weren't around yesterday. New sunspot regions are usually quiet, but could grow into major sunspot regions over the next few days. If they grow large and generate large magnetic fields, this is what often precedes a major flare area.

> IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE  
> AT LOW TO MODERATE LEVELS. ANY ONE OF A NUMBER OF REGIONS ON OR NEAR  
> THE WEST LIMB ARE CAPABLE OF PRODUCING AN ISOLATED M-CLASS FLARE.

A large flare on either the east or west limb of the sun will seldom cause any effect on earth, because the mass blown out into space is AWAY from the earth. So these present little concern.

> NEW REGION 9017 MAY ALSO PRODUCE AN M FLARE.

Region 9017, however, is near the center of the sun, which if a major flare occurs, means the shock wave of mass will likely hit the earth, triggering geomagnetic disturbances and storms.

> IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z:  
> THE GEOMAGNETIC FIELD WAS AT ACTIVE TO SEVERE STORM LEVELS. THE  
> TRANSIENT OBSERVED TO PASS ACE AT 23/1625Z HERALDED THE BEGINNING OF  
> A COMPACT AND COMPLEX MAGNETIC STRUCTURE. A NUMBER OF STRONG  
> NORTHWARD TO SOUTHWARD VARIATIONS IN BZ OCCURRED THAT REACHED  
> EXTREMES OF -36 NT TO +30 NT. CONDITIONS IMPROVED BY 24/12Z BUT  
> SOLAR WIND VELOCITY REMAINS ELEVATED RESULTING IN ACTIVE TO MINOR  
> STORM CONDITIONS PERSISTING THROUGH LATE IN THE PERIOD. THIS  
> ACTIVITY IS PRESUMED TO BE ASSOCIATED WITH THE C7/1N FLARE THAT  
> OCCURRED AT 20/0535Z.

Three days ago, a relatively small C7 flare also had a CORONAL MASS

EJECTION (CME) as detected by the ACE spacecraft. The shockwave from a C-class flare is not usually very strong, but in this case, it seemed to have a direct hit on the earth. When the shock wave arrived (note it took 3.5 days to get here, or about average), it smacked into our magnetic field, compressing it like a gust of wind would compress or distort the shape of a balloon. As our magnetic field compressed, it puts it into a wiggling motion for many hours. As our magnetic field wiggles, with the earth inside, it generates huge currents by the dynamo effect (a magnetic field moving past a piece of iron, or in this case, the earth). These huge currents flows along our magnetic field lines, generating lots of noise on the HF bands, and if severe enough, can cause a virtual HF blackout from excessive noise. Furthermore, some of the particles arriving with this shock wave enters the earth at the poles, which can migrate into the D-layer, causing huge levels of absorption. If your signals get totally absorbed by the D-layer, then there is no signal left to continue on to the E or F layers and bounce back to earth ... which is how skip propagation occurs. Thus, high D-layer absorption can shut down skip propagation, even though the maximum usable frequency (MUF) is still very high ... another cause of HF blackouts.

That's pretty much what happened today.

> IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS  
> EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS THROUGH DAY ONE AS  
> THE PRESENT STORM SUBSIDES. UNSETTLED CONDITIONS ARE EXPECTED ON  
> DAYS TWO AND THREE.

Day one means thursday. Our magnetic field is still being disturbed by elevated levels of the solar wind from this flare a few days ago. The solar wind is approaching normal levels (around 350 km/s) which will allow our magnetic field to quiet down and restore noise levels and propagation back to normal. So days 2 and 3, or friday and saturday, should see normal conditions again.

> IV. PENTICTON 10.7 CM FLUX  
> OBSERVED 24 MAY 189 <----- today's solar flux: HIGH (good)  
> PREDICTED 25 MAY-27 MAY 180/175/165  
> 90 DAY MEAN 24 MAY 196

With solar flux above 150, there is a high likelihood that 15M-10M will be open during daylight hours, with 15M remaining open for several hours after local sundown.

> V. GEOMAGNETIC A INDICES  
> OBSERVED AFR/AP 23 MAY 019/022  
> ESTIMATED AFR/AP 24 MAY 048/070 <---- WOAHH! This is SEVERE storm  
levels for the A-index

There are two indices to indicate the status of our geomagnetic field: the "A" and the "K". The K-index is on a scale of 0-9, with 4 being a MINOR storm, 7 being a SEVERE storm, and 8-9 being an EXTREME storm. The K-index is measured and reported every three hours.

The A-index is the 24-hour average of the previous UTC day. Thus, the A-index for TODAY won't really be calculated and reported until tomorrow. That's why the above A-index says ESTIMATED at this time. APR means the average planetary A-index.

To find out current geomagnetic conditions, use the K-index, as that is current conditions updated every 3 hours. It is reported on WWV.

Somewhere on some hard drive on some computer I have a list of K and A indexes and how to interpret them. I'll find it and post to the list in the next couple of days, since it's been awhile since I've sent it to the list.

Hopefully the above will help explain some of this phenomenon for those of you new to the list.

72, Paul NA5N  
National Radio Astronomy Observatory  
Socorro, New Mexico

Disclaimer: The above is my personal explanations and not related to the observatory in any official capacity, or something like that.

-----  
Date: Thu, 25 May 2000 16:48:52 +1200  
From: Peter Loveridge <peterlov@ihug.co.nz>  
To: qrp-l@lehigh.edu  
Subject: [70992] QRP PCB design question  
Message-ID: <200005250448.QAA31023@smtp1.ihug.co.nz>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello all,

I have been doing some PCB design for a QRP transceiver recently and have been looking at photographs in the literature. Some show toroids standing up and some lying down on the circuit board. Are there performance considerations in keeping the turns away from the ground plane copper layer?



Perhaps someone can let me know from theory or experience.

I have seen some discussion of 6m propagation on the reflector in the last day. I would like to draw to your attention a paper published by the ARRL in the proceedings of "Microwave Update 1999", pages 344-350 entitled "Getting the most from weather conditions on VHF and above" by Bob Gyde, ZL3NE. This paper gives information that can be used to predict such "openings" to distant locations. The information provided gives examples from Australasia and the USA. There are several web sites listed where the information can be obtained for current weather patterns and propagation conditions.

In New Zealand the number of occurrences is lower than this at the moment owing to the effect of the "La Nina" variation to average weather patterns.

Peter Loveridge  
ZL1UKG

-----  
Date: Wed, 24 May 2000 21:55:54 -0700  
From: "JC Smith" <jc-smith@worldnet.att.net>  
To: <w5usj@globeco.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [70993] Re: QRP Field Day and Logging ?s  
Message-ID: <008701bfc60a\$8d28d7e0\$bd66480c@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Check out the WR9R field day logging program. It's free but contributions are accepted. Our group (MDARC, W6CX, 5A - EB) has been using it for about seven years now. I suppose something like CT would work a little better, but it's a lot harder to set up and learn how to use. The WR9R program is just for (well, mostly for) field day and it's simple to set up and use. It even has a keyer interfaced to the logging program.

72 - JC,k0hps@amsat.org

----- Original Message -----  
From: Chuck Carpenter <w5usj@globeco.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Sent: Wednesday, May 24, 2000 6:35 PM  
Subject: QRP Field Day and Logging ?s

> QRP-Lers,  
>

> Is there a logging program that would be considered best for Field Day  
> logging?  
>  
> I know this sort of question has been around before but didn't need to  
know  
> at the time.  
>  
> It looks like we'll be doing central logging for the group from individual  
> input.  
>  
> Our operation will be mixed QRO and QRP with me doing the CW QRP. No  
extra  
> bennies here, just my personal satisfaction. We'll be operating from the  
> Historical Park in Emory, Rains County, TX using my W5USJ call, probably  
2A  
> NTX.  
>  
> CW will be mostly on 40 and 20 and hope for some good openings on 6 CW  
and  
> SSB. I'll be checking the high HF bands too. My rig will be the 706MKIIG  
> running from a solar charged battery. The 706 is not power efficient for  
> QRP but it's a 200 AHr deep cycle battery with two 50W panels and a good  
> regulator controller. Should last for 24 hours OK. (The sun always shines  
> brightly in TX in June.) I'll be using a W9INN 40, 20, 15, 10 dipole and  
a  
> 2 element 6 and 2 VHF quad.  
>  
>  
>  
>  
>  
> Chuck Carpenter, Point, Rains County, Texas -- EM22cv, RARA #003  
> ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275  
>

-----  
Date: Thu, 25 May 2000 01:33:57 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>  
Cc: "SWL Reflector" <swl@qth.net>  
Subject: [70994] FW: WWV-Message  
Message-ID: <CKEGICNFDIMCEKEDCEHFIEJOCIAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: owner-www-list@sec.noaa.gov [mailto:owner-www-list@sec.noaa.gov]On  
Behalf Of Anonymous FTP user  
Sent: Wednesday, May 24, 2000 11:08 PM  
To: www-list-send@dawn.sec.noaa.gov  
Subject: WWV-Message

:Issued: 2000 May 25 0308 UT  
# Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center.  
#  
# Geophysical Alert Message  
#  
Solar-terrestrial indices for 24 May follow.  
Solar flux 189 and Boulder A-index 51.  
The Boulder K-index at 0300 UT on 25 May was 4 (58 nT).

Solar-terrestrial conditions for the last 24 hours follow.  
Solar activity was moderate.  
The geomagnetic field was at unsettled to severe storm levels.  
A major geomagnetic storm began at 1800UT on 23 May

The forecast for the next 24 hours follows.  
Solar activity will be low to moderate.  
The geomagnetic field will be at unsettled to minor storm levels.

-----  
Date: Thu, 25 May 2000 02:03:09 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: QRP-L Reflector <qrp-l@lehigh.edu>  
Subject: [70995] Archive: QRP-L CD Ver 3 Available from N4BP  
Message-ID: <Pine.3.89.10005250117.A17579-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

QRP-L CD Version 3.0 CD-ROM (Received May 23 from WB8RCR...Thanks, John for  
all the work coordinating this.)

=====  
How to get your own Version 3 copy of the CD. de N4BP  
=====

I'm (N4BP) ready to take orders for the QRP-L CD Version 3, dated May 7, 2000.

I can supply a blank CD or accept one from you.

Plan A: Your blank CD

-----

Put a blank CD in one of those plastic sleeves (don't send the jewel box). Put this CD in a sturdy cardboard mailer. Put your mailing address on the mailer. Put postage on the mailer. (Typical postage is 77 cents in the USA, though if you use a bubble mailer or one of those thick padded mailers it might be more.) Now put this mailer into a larger (of course) mailer addressed to me (see below). Write your name AND email address on a small slip of paper and enclose it as well.

Plan B: I provide blank CD

-----

Send a check for \$10 USD payable to "Bob Patten" to me (see below). \$10 USD will cover the QRP-L CD at least from my perspective for International as well as domestic. Please enclose a self-adhesive mailing label with your mailing address. Write your name AND email address on a small slip of paper and enclose it as well. If you don't have a self-adhesive label just put your mailing address neatly on a piece of paper that I can cut out and tape to the package.

Send your package or envelope to:

Bob Patten, N4BP  
2841 N.W. 112 Terrace  
Plantation, FL 33323

Upon receipt, I will email you to confirm receipt of your package--IF you remembered to enclose your email address :-)

International Mailings

It looks like the package will weigh less than 3 ounces. I believe the \$10 will cover the International postage just fine as long as I don't get into customs expenses. I sure hope I won't have to fill out the stick-on customs form for each one but if so, that's just the way it goes.

Therefore, \$10 USD will cover the QRP-L CD at least from my perspective for International as well as domestic. I cannot speak for the other CD makers that will soon be appearing on the list.

Upon receipt or check or blank CD, I will email you to confirm receipt and

suggest how long it will take to get the CD off to you.--IF you remembered to  
enclose your email address :-)

Questions? Send email to me at n4bp@bc.seflin.org.

>From the CD:

=====

Well, it's finally here! Version 3 of the QRP-L CDRom, and since version 2,  
we've had a lot of changes on the list, the startup of QRP-F, a much more  
active and aggressive QRP ARCI, and a new millennium! This CD contains the  
entire QRP-L archive for the 20th century, as well as a few months of  
the 21st. (1993 through sometime in April 2000)

Much of the material for this one is the same as Volume 2, except, of course,  
for the updated archives. (look below signature block for an extract of info  
(long)). If you have anything you can contribute, please send it along to  
WB8RCR for the next release. I'm sure your fellow QRPers would appreciate  
your sharing.

I (WB8RCR) have included the latest version of QSLMaker - you saw it here  
first! And also in the QSLMaker directory is a set of new background bitmaps.  
These are especially for ARCI members (QRP Amateur Radio Club International)  
who want to display the ARCI logo on their card.

There are links to the HTML directories and the QRP-L archives.

\*\* QRP-L Archives

\*\* Chuck Adams, K7Q0, pictures (see below signature block)

\*\* Glen Leinweber, VE3DNL, Elmer101 Web Page

73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://www.qsl.net/n4bp>

Brass Pounder BBS: (954) 472-7715

SOC #1Whiners #6

-----

Date: Thu, 25 May 2000 00:00:15 PDT  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: peterlov@ihug.co.nz, qrp-1@Lehigh.EDU  
Subject: [70996] Re: QRP PCB design question  
Message-ID: <20000525070015.93761.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>Hello all,  
>  
>I have been doing some PCB design for a QRP transceiver recently and have  
>been looking at photographs in the literature. Some show toroids standing  
>up  
>and some lying down on the circuit board. Are there performance  
>considerations in keeping the turns away from the ground plane copper  
>layer?  
>Perhaps someone can let me know from theory or experience.

If they are flat against the board, the effective self-capacitance will be increased, especially if they are above a ground plane. Also, some undesired coupling between adjacent inductors and inductors and PCB tracks could occur, as they are not completely self-shielding. In practice, the effects will be small, so it probably doesn't really matter.

73, Leon

--

Leon Heller, G1HSM  
Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221  
InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,  
NN12 6AD, United Kingdom.  
Email:leon\_heller@hotmail.com  
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

---

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-----

Date: Thu, 25 May 2000 16:44:52 +0800  
From: "Sly, 9M8SL" <cqsly@tm.net.my>  
To: colcal@srv.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [70997] Re: Recycle CD's

Message-ID: <20000525084452.UDGE7134@user>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:14 AM 5/24/00 -0600, Francis Callahan wrote:

>Anyone know of a way to recycle all the free cd that we get in the mail. I  
>must have a dozen or so that have never been used 72 Cal KF7ET misplaced  
>Vermont in Idaho

Hi All,

Hummm...no one mentioned about this, and I'll be brave for a few minutes...

How about using it as a qrp great circle/beam heading indicator for our qrp group,  
Print out a beam heading map abt the same size, and centred it around your qth or some way near. Then glue/paste it to the face of that cd. Later, buy a cheap small compass, and glued/fixed it in the round opening in the centre.

One can do a few of these, or use both sides to do short path and long path beam heading maps/indicators. For the much more homebrew-inclined, he/she can also print and superimposed his/her call on the face of that map. A qrp motto will also do...I've also seen 24 hours clock fixed to such cd's with beam heading and personalised callsign, apart from the compass beam headings ideas.

Wouldn't it be great to bring this around for our next qrp out field trip? Try placing it at the bottom of your qrp antenna and see what it can do! Hi.. I guess, it can also be used to beautify your qrp shack (if you want it to be that way), rather than be a useful qrp radio operating aid, hee...

Let's do some and see who can come up with the BEST design!  
Love to see some of these in your shack's or backpacking pics...

Vy 72 de Sly, 9M8SL  
Borneo Island, East Malaysia.

-----  
Date: Thu, 25 May 2000 02:45:00 PDT  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: cqsly@tm.net.my, qrp-l@Lehigh.EDU  
Subject: [70998] Re: Recycle CD's  
Message-ID: <20000525094500.51952.qmail@hotmail.com>

Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>  
>At 08:14 AM 5/24/00 -0600, Francis Callahan wrote:  
> >Anyone know of a way to recycle all the free cd that we get in the mail.  
>I  
> >must have a dozen or so that have never been used 72 Cal KF7ET misplaced  
> >Vermonters in Idaho

Our conference area at work has a large polished table, and we use them as  
'coasters' for mugs, to protect the surface.

73, Leon

--

Leon Heller, G1HSM  
Tel (work): +44 1327 357824 Tel (mobile): +44 79 9098 1221  
InfraRed Integrated Systems Ltd., Towcester Mill, Towcester, Northants.,  
NN12 6AD, United Kingdom.  
Email:leon\_heller@hotmail.com  
Web page: <http://www.geocities.com/SiliconValley/Code/1835>

---

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Thu, 25 May 2000 08:19:38 -0500  
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>  
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>  
Subject: [70999] High Resolution ARCI Logo  
Message-ID: <000b01bfc64b\$e152a580\$c8365a3f@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Is there a high resolution QRP ARCI logo on line somewhere  
that I can use in making a QSL card?

Thanks,



Jim, WD9EYB

-----  
Date: Thu, 25 May 2000 09:13:57 EDT  
From: W1R0@aol.com  
To: biggman@accucomm.net, qrp-1@lehigh.edu  
Subject: [71000] Re: [PR:951] Ham News In Wilmington NC STAR  
Message-ID: <a6.4cbcf5a.265e8115@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Also, if you check out the SURVIVAL Magazine on the store shelves right now you see an article on ham radio. Looks like some pre-field day promotion. Strange magazine to find ham radio in.

-----  
Date: Thu, 25 May 2000 09:24:12 -0400  
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>  
To: qrp-1@lehigh.edu  
Subject: [71001] Re: Recycle CD's  
Message-ID: <3.0.6.32.20000525092412.007ab100@vmsspop.rit.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:06 AM 5/24/00 -0500, you wrote:  
>I've got an open ST-238R on my wall as "wall art" in my shack/office.  
>  
>Don't know what a 238R is? Too bad.....

Dan,

Want another one? No, wait - I tore it open for the head positioning magnets.

I think the platters might make a nice heavy base for a key or paddle, though.

Dave

-----  
Date: Thu, 25 May 2000 09:03:08 -0400  
From: "Art Marshall" <artm@t-com.com>

To: <plburbank@kih.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [71002] RE: HR4K: New Article  
Message-ID: <000001bfc649\$929df180\$70c80ac0@pc-art2.t-com.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I dont like to make "off the subject comments", but let me make just one.  
Spark has been near and dear to my heart for years. If u would like take a  
look at one of my web sites,.....

<http://www.qsl.net/w1fji> then click on spark gap, & try

<http://www.vistech.net/users/w1fji> click on the Globe, page down and click  
on Spark Gap. geeezzzzz, I hope these are the correct ones. I am tring to  
consolidate my three sites into one and I cant remember which one. Age u  
know.

tkes 73 de w1fji

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of  
> Pete Burbank

> Sent: Wednesday, May 24, 2000 8:21 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: HR4K: New Article

>

>

> At 04:06 PM 5/24/00 -0600, you wrote:

> >I have added a new article about how to make a "spark

> >gap" transmitter. (Relax! the method I propose should not cause serious

> >RMI ;-)

> >

> Most cats have an aversion to the static spark thing (having heard

> about early experiments with cat fur and amber}. "Cat fur" connotes

> "minus the cat" so they don't like that either.

> 73 Pete NV4V

>

-----

Date: Thu, 25 May 2000 08:52:25 -0400

From: Nils R Young <nilsbull@juno.com>

To: QRP-L@lehigh.edu

Subject: [71003] Re: Old books on wireless? Reprints?

Message-ID: <20000525.085229.-272859.1.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Gang,

Bob Okas turned me on to a book called "Practical Wireless Telegraphy," what was published around 1917. I found it at a place called "Bookfinders.com" (guess that URL, eh?) for prices ranging between \$10 & \$50. Another, earlier book, published in 1914 (the birth year for Julio Cortazar & William S. Burroughs) was going for \$50 each copy. A book published when my father was six years old. Before he got bit by the radio bug his own self.

"Practical Wireless Telegraphy" is reported by Bob to have pictures & text about early spark wireless. I certainly hope so. The book that I mentioned yesterday, written by the Australian ham, is truly good reading, but I'm now on the hunt for the earliest stuff.

Between Prescott's book (ca. 1866) and Bucher's book (ca. 1917), I'm sure that there's enough interstitial data layered around (sounds like a geologist, don't it?) to make for interesting reading. I can remember as a child reading about Heinrich Hertz's experiments and how that stuff lead to Marconi (and that British guy who never gets mentioned and thus I don't remember his name). Between 1866 & 1917 is about 50 years. Between 1917 and the first valve/tube circuits was about another 10. Between tubes & transistors there's another 20 or so, most of which was spent in improving the HF characteristics of tubes as transmitting devices. And the first transistorized transmitters showed up around 1968, another 10 years later, and only a few years until the first integrated circuits. (I remember the blocks of stuff in the crypto gear we had back then . . . a far cry from the true ICs of even a couple years later.)

The exponential function of creative improvements, synthesis & adaptation. All of which leads me to remember the pictures & pages of those books I read in my childhood, pages & snippets of text that I remember almost photographically now, even as forgetful as I am about what the pliers look like and whether they have red handles or not. And most marvelously, at this doorway to the next century & millennium, four days after the end of Hamvention 2000, it's neat to know that we share the same madness here, CMEs, K2s & TAC1s & PM3s & Argonauts & all, riding the exponential curve.

Thanks to Bob for sending me the data about the book. Now to find that book I read when I was a kid. Be nice if I could remember the title . . .

73

Nils

. . . "Pay attention, cows! Life is short!" (-- Gabriel Garcia Marquez, "100 Years of Solitude")

-----

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

<http://www6.50megs.com/w8ijn> -- W8IJN -- <http://members.xoom.com/nilsbull>

In my day you had to FIGHT to have quenched gaps! Every DAY was a STRUGGLE!

--- Comrade Nikolai Sergeevich McTovarishov

-----  
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<http://dl.www.juno.com/get/tagj>.

-----

Date: Thu, 25 May 2000 08:49:52 EDT

From: "Mark Adams" <k2qo@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [71004] BLT: No Figures wth my kit

Message-ID: <20000525124952.32731.qmail@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Hi Gang,

Could anyone out there who has a BLT fax or email me the pages with the figures showing the torroid winding? All I have is a pair of sheets; one with the text and the other with the schematic and layout.

I of course want to be #SURE# that the T106-2 gets would correctly!

Thanks.

Mark K2QO

-----  
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-----

Date: Thu, 25 May 2000 07:03:50 -0500

From: Richard Matthews <prm@hiwaay.net>

To: bl@csi.com, qrp-l@lehigh.edu

Subject: [71005] Re: Portable power supply for DSW?

Message-ID: <3.0.1.32.20000525070350.009ac8f0@hiwaay.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:19 PM 5/24/00 -0500, you wrote:

>Anyone have suggestions for portable power supply for DSW-40. I will be  
>backpacking, so lightweight is essential. Will 8 AA's provide enough  
>current? That seems to work, but manual say 500ma recommended? Other  
>suggestions?  
>Brian Lewis  
>K5RV QRP-L 324  
.....

Brian, I power my DSW-40 with 8 AA nicads and it works fine . . . for a while. With use the E drops and of course the output drops but continues working until you reach the low voltage cutoff point. I've made numerous portable contacts with this setup and one thing for sure, no PS hum.

73

Richard WA4NWW

-----  
Date: Thu, 25 May 2000 08:12:22 -0400  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: ki6ds@hotmail.com  
Cc: qrp-l@lehigh.edu  
Subject: [71006] Re: Antennas: W6JJZ's Simple Antenna with LOW LOW Loss, or What I learned today.  
Message-ID: <v03102800b552c452793d@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Doug Hendricks writes regarding portable antennas;

>Guys, go read the article,

[http://www.natworld.com/ars/pages/back\\_issues/0698\\_text/ffd.html](http://www.natworld.com/ars/pages/back_issues/0698_text/ffd.html)

> look at  
>all the pictures and drawings, and lets see if we can come up with a  
>suggestion as to how to hang this antenna from a SD20 fishing pole support.  
>Post your suggestions to the list.

Here's how I made my low weight version of Charlie's FFD. I took a 2 conductor string of ribbon cable wire 50' long and split it into 2 50' long pieces. I used some old vinyl venetian blinds that are 1" wide and cut

pieces 2 inches long. Then I took a Dremel tool and a small drill bit about the diameter of the ribbon cable wire and drilled 2 holes on each side of the vinyl spacers about 1/4" in from the sides and 1/4" apart vertically. I cut 2 45 degree slices, one from near the bottom and one near the top of the vinyl blind to the hole. Then I threaded the wire into the vinyl spacers about every 4' or so. The small holes and the 45 degree cuts hold the wire in place. I now have a 44' doublet with 28' of homebrew ladder line. I patterned my doublet on the Norcal dimensions and Charlie's ARS article.

I roll the 2 doublet ends up on pieces of blind that are used for end insulators and the ladder line rolls up on a cardboard tube. The 2 pieces that the doublet ends are rolled on tuck inside the cardboard tube.

It is very light and my SD-20 easily holds it up without too much sag at the top. I store it in a quart size zip lock bag.

My wife thought I was nuts for keeping the old blinds.

72,

Rick kf4ar

-----  
Date: Thu, 25 May 2000 07:21:38 -0500  
From: "Karl Heimbach" <heimbachk@mindspring.com>  
To: "QRP L Reflector" <qrp-l@lehigh.edu>  
Subject: [71007] SST 40 w/ 3 VX0 xtals and Tick Keyer - Sold  
Message-ID: <01c101bfc643\$d0e04390\$5f0505ac@phoenix>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The SST 40 has been sold. Thanks for the interest.

Karl - W5QJ

----- Original Message -----  
From: "Karl Heimbach" <heimbachk@mindspring.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, May 24, 2000 8:30 PM  
Subject: SST 40 with three VX0 xtals and Tick Keyer for sale

> Gang,  
>  
> I have an assembled SST-40 with three parallel VX0 crystals and an  
installed  
> Tick keyer for sale.  
>  
> With the three crystals, the frequency coverage is 7.002 to 7.043 at  
> approximately 2.5 watts. The Tick keyer is hot-melt glued to the inside  
of  
> the top cover with a pushbutton installed on the front of the case and an  
> additional 1/8" paddle jack on the back.  
>  
> There are a couple of scratches on top of the unfinished aluminum case. I  
> am listening to the rig as I type this and can email a picture(s) if  
anyone  
> is interested.  
>  
> I'd like \$75 shipped to the US addresses.  
>  
> Karl - W5QJ  
>

-----  
Date: Thu, 25 May 2000 08:52:31 -0500  
From: Michael Melland <badger@vbe.com>  
To: qrp-l@lehigh.edu  
Subject: [71008] Unbuilt NC-20 still FS  
Message-ID: <392D301E.5C075DD2@vbe.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Had a buyer but he decided paying Customs duty to the UK waas too much  
so It's back for sale.

Original NC-20 kit, case and 10-turn pot..... \$110.00 shipped

73 de Mike, W9WIS

--  
Michael Melland, W9WIS  
Winneconne, Wisconsin, USA  
FISTS #4387, 10-10 #69281, QRP-L #1656,  
QRP-ARCI #9875, AK/QRP #478, NorCal,  
NJ-QRP #214, SOC #142, Cheeseheads QRP Club

CW, SSB, and Electronics  
List Administrator: grundig@qth.net  
<http://www.qsl.net/w9wis>

-----  
Date: Thu, 25 May 2000 07:04:37 -0400  
From: John R Kirby <n3aaz-qrp@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [71009] I'll tell you what . . .  
Message-ID: <20000525.070556.-136167.0.n3aaz-qrp@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

WOW . . . MOM . . . that sure was technical.

Total qrp-l posts received for 24 May was 152.

The ratio of 22 (Subject: RE: Recycle CD's) to 152 is approximately 14 percent.

Who read more than twenty-two (22) of technical stuff ?

Who read more than two (2) CD stuff ?

I'll tell you what . . .

Please don't waste any more time or BW with a reply, TNX ! !

John  
N3AAZ  
FM19xa

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 25 May 2000 07:48:03 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l list <qrp-l@lehigh.edu>



Subject: [71010] Re: QRP Field Day and Logging ?s  
Message-ID: <392D12F3.823A280@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

We have used the WR9R program a lot at our Field Days. As info Bob Finch, W9YA, has worked with Larry to update the program. It has many updates but the one I like is the smoother CW sent from the computer. But there are many others. For duping and partials, it is the fastest I have seen. Check w9ya@amsat.org for how to obtain the newest version. He had them at FDI and I saw it work there. So picked up a copy from Bob, of course. Now if I can just find it in the boxes of goodies!!!

--

Jim Stafford  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Thu, 25 May 2000 05:58:52 -0400  
From: John AE5X <ae5x@juno.com>  
To: bl@csi.com  
Cc: qrp-l@lehigh.edu  
Subject: [71011] Re: Portable power supply for DSW?  
Message-ID: <20000525.055855.10486.2.ae5x@juno.com>

Brian,

I think AA's would be more than adequate if you plan to operate less than 3 or 4 hours. For longer operating times, use 10 AAs or 8 to 10 C cells. I had the same questions regarding backpacking with my Norcal 40A and found that C cells were overkill for this rig for the lengths of time I'd be operating and have now started using 10 AA cells for the NC40a, SSTs and my DSW, with great results. I get a good lifespan out of them (adequate for a backpacking trip and then some) and they weight is right. Each AA cell weighs just under an ounce.

On my page below, I have a chart of operating time vs. battery voltage for my NC40a and 10 AA cells.

John Harper AE5X  
Ex: AA5YX, KA5BBL, VQ9BL  
HW-9, OHR-100A/20, NC40A, SST30, SST40, DSW20  
Outdoor QRP: <http://home.att.net/~j..harper>

On Wed, 24 May 2000 20:19:46 -0500 "Brian L. Lewis" <bl@csi.com> writes:

>

>Anyone have suggestions for portable power supply for DSW-40. I will

>be

>backpacking, so lightweight is essential. Will 8 AA's provide enough

>current? That seems to work, but manual say 500ma recommended? Other

>suggestions?

>

>Thanks

>

>Brian Lewis

>K5RV QRP-L 324

---

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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 25 May 2000 10:00:01 -0400

From: Ken Newman <N2CQ@citnet.com>

To: epaqrp-1@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org

Subject: [71012] FS: QRP XCVRs (SOLD)

Message-ID: <3.0.6.32.20000525100001.008f9200@mail.citnet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

The below rigs have been spoken for. Thanks for your interest.

Ken - N2CQ

>Date: Wed, 24 May 2000 11:16:55 -0400

>To: List QRP-L

>From: Ken Newman <N2CQ@Citnet.com>

>Subject: FS: QRP XCVRs

>

>Hi All,

> I have some QRP XCVRs that haven't been used for several months. They

>really are waiting to go out in the field or even in a proper shack.

>

>OHR Explorer II for 40 meter CW. About 2-3 watts, 7000 - 7070 frequency.

>Variable bandwidth IF filter. Full break-in. RIT.

> This one was built by a leading QRP'er, Bob Golbrick VE1DRB (SK).

>

>MFJ 9020 20 meter CW. 5 Watts, 14000-14080, RIT, VOX break-in. No

>accessories or mods. Bought new in the early 90's. RIT is before the  
>detent was added.  
>  
> Both rigs are in excellent condition and appearance. Both will be tested  
>before shipping. Either rig for \$75 + \$5 shipping CONUS.  
>

-----  
Date: Thu, 25 May 2000 10:10:35 -0500  
From: "Randy Randall" <RANDALLR@Healthall.com>  
To: <n8pvz@arrl.net>, <qrp-1@Lehigh.EDU>  
Subject: [71013] Re: SGC2020  
Message-ID: <s92cfc44.077@healthall.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline

Hello all. I am also considering buying an SCG 2020. How does the single =  
IF amp perform in the real world? What is the track record for repairs =  
and service. I have heard both good and bad. It looks like a rugged =  
little beast. Do you recommend getting the unit outfitted with the =  
optional power pack. I understand it must be ordered with the radio and =  
cannot be added later.=20  
73  
Randy

>>> "Bernard F. Gaffney, Jr." <n8pvz@arrl.net> 05/24 7:10 PM >>>  
I'm considering getting an SGC2020. Would appreciate hearing from those =  
in=20  
the group who use or have used one, and what you think about it's=20  
performance, especially in the QRP arena. I've been to their WEB page =  
and=20  
downloaded the operator's manual, but would like to hear from the Ham =  
in=20  
the Street.

Please reply directly to me, to keep the list bandwidth down.

Tnx

72 de N8PVZ

---bernie

Bernard F. Gaffney, Jr. N8PVZ  
MI-QRP# M-1152 QRP-ARCI# 9446  
n8pvz@arrl.net=20  
<http://www.familytreemaker.com/users/g/a/f/Bernard-F-Gaffney-Jr/=20>  
Searching for Gaffney, Gascho, Moers, and Hetzer  
=20

-----  
Date: Thu, 25 May 2000 10:21:05 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-  
l@lehigh.edu>  
Subject: [71014] Re: Recycle CD's  
Message-ID: <03c701bfc654\$8de04160\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Well, as long as this is OFF TOPIC....

Have you heard of a guy named Bob Blick? He has a pretty neat  
web page with all kinds of 'neat' stuff. (And I seem to recall he's a  
HAM.)

One of the things on his web page is 'propeller clocks', built from  
drive motors. (They have LED arrays that 'flash' to give the optical  
illusion of a display suspended in the air.)

<http://www.bobblick.com/bob/projects/mclock/index.html>

Mike

> At 10:06 AM 5/24/00 -0500, you wrote:  
> >I've got an open ST-238R on my wall as "wall art" in my shack/office.  
> >  
> >Don't know what a 238R is? Too bad.....  
>  
> Dan,  
>

> Want another one? No, wait - I tore it open for the head positioning magnets.  
>  
> I think the platters might make a nice heavy base for a key or paddle, though.  
>  
> Dave  
>  
>  
>

-----  
Date: Thu, 25 May 2000 07:20:46 -0700  
From: Jeff Grudin <grudin@vdbbs.com>  
To: qrp-l@lehigh.edu  
Subject: [71015] RE: QRP rigs for Sale  
Message-ID: <392D36BE.85541F4@vdbbs.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Both the Sierra and the SMK-1 are spoken for.

--  
73 de AC6KW <mailto:grudin@vdbbs.com>  
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>  
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California  
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

-----  
Date: Thu, 25 May 2000 10:59:04 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [71016] Trap Dipole Suggestions  
Message-ID: <050801bfc659\$c82dd8a0\$2101a8c0@insydesw.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I've been using just a long wire with my K2, but want something a bit 'easier'. It's not to bad right now, as I have my tuner marked right where I can get REAL close to match for each band, but feel a good dipole would perform better.

So, I have this 120+ foot pine tree... Only it's right over the power

line, ouch.

But I have about an 80' tree right off the end of the house, and about 80 feet away I have another 100' tree. So I figured a trap dipole. (I may even be able to go diagonal and get over 100'. I suppose I should measure exactly.)

I was originally just going to make my own traps, but then figured I'd throw the topic out here first. If I make the traps, I was looking for recommendations. Of ANY kind. (Well, keep it clean!! I've already gotten my warnings for nonsense!) The traps shouldn't be too difficult, as with a K2 I'm only talking 15W absolutely at the max. MAYBE someday more, but generally QRP or close to it.

So start with what people have done to make THEIR coils. And what caps they used. And how they made them (mechanically of course, not the construction parties, although we can turn to that later!)

Mike

-----  
Date: Thu, 25 May 2000 10:48:54 -0700  
From: "Larry Acklin" <larrya@compu-fixinc.com>  
To: <RANDALLR@Healthall.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [71017] Re: SGC2020  
Message-ID: <000501bfc671\$7e84cde0\$7600a8c0@larrya98>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I own SC-2020 S# 5054. It is a fine rig, with a small but dedicated bunch of owners. I have used it in the field for QRP CW, and SSB, at 5w have made 3k miles contacts. Not a diehard CW op's rig (semi QSK with the built in keyer, Full with external keyer. Receiver hears OK. It is a general coverage receiver, but you gotta tune careful if you want to hear AM BC. NE602 front end, but if I hear 'em I can work 'em usually. Please refer to <http://www.qsl.net/sgci/index.html> for a good site on the rig. All the scoop is there. I give it a good report.

73

Larry KB3CUF

----- Original Message -----

From: Randy Randall <RANDALLR@Healthall.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Thursday, May 25, 2000 8:10 AM

Subject: Re: SGC2020

> Hello all. I am also considering buying an SCG 2020. How does the single IF amp perform in the real world? What is the track record for repairs and service. I have heard both good and bad. It looks like a rugged little beast. Do you recommend getting the unit outfitted with the optional power pack. I understand it must be ordered with the radio and cannot be added later.

> 73

> Randy

>

> >>> "Bernard F. Gaffney, Jr." <n8pvz@arrl.net> 05/24 7:10 PM >>>

> I'm considering getting an SGC2020. Would appreciate hearing from those in

> the group who use or have used one, and what you think about it's

> performance, especially in the QRP arena. I've been to their WEB page and

> downloaded the operator's manual, but would like to hear from the Ham in

> the Street.

>

> Please reply directly to me, to keep the list bandwidth down.

>

> Tnx

>

> 72 de N8PVZ

>

> ---bernie

>

>

>

>

>

> Bernard F. Gaffney, Jr. N8PVZ

> MI-QRP# M-1152 QRP-ARCI# 9446

> n8pvz@arrl.net

> <http://www.familytreemaker.com/users/g/a/f/Bernard-F-Gaffney-Jr/>

> Searching for Gaffney, Gascho, Moers, and Hetzer

>

>

>

-----  
Date: Thu, 25 May 2000 10:02:15 -0500  
From: "Gary Lee Phillips" <ka9nzi@arrl.net>  
To: dorn@freenet.edmonton.ab.ca  
Cc: qrp-1@lehigh.edu  
Subject: [71018] Re: HW8 as first station?  
Message-ID: <200005251502.KAA30427@mail.lib.colum.edu>

Chris, I can't tell you whether that is a good price or not, but I can tell you this: An HW-8 was MY first rig, I still have it 18 years later, and no one is getting it away from me for any price.

There are a lot of variables, of course. A kit may have been really well constructed, or a sloppy job may have been done. The HW-8 has some weaknesses, including microphonics, broad selectivity, and the pitfalls of a direct conversion receiver. Many of them (mine included) have output only in the milliwatt range on the 15 m. band (but then as QRPers we know that there isn't necessarily anything wrong with that.) HW-8s that have seen heavy use or abuse may develop certain problems. I think the push button bandswitches may not be the best, and many have problems with the VFO main capacitor coming apart or so I hear.

The manual is no problem, you can certainly get a photocopy from someone if you need it. There is a whole collection of mods and improvements to the HW-8 available as well. Using the HW-8 takes some specific operating techniques, which may not be what you are accustomed to, but which certainly can be learned.

As for functionality, well, I got my 1000 Miles per Watt certificate with it as a novice. I also earned QRP-25 and with relatively poor antennas still had successful QSOs with California, Puerto Rico, and US/Canada east coasters on a regular basis from my QTH in Chicago. I've backpacked it, and hauled it on the train to Florida, never had a problem with it. I find it works better from a battery than from an AC adaptor though, as it picks up power line hums readily. It has a low power demand, so a gel cell from an emergency light or a motorcycle battery can give you many hours of operation without recharging.

You could certainly choose worse--multiband capability in a reasonably small package is a strong point. On the other hand, it is CW only, doesn't have 10 meters or WARC bands, and does have that DC receiver. You may want an outboard audio filter to help narrow the receive passband.



-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

-----  
Date: Thu, 25 May 2000 11:09:43 -0400  
From: "Lau, Zack, W1VT" <[zlau@arrl.org](mailto:zlau@arrl.org)>  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [71019] 2XQRP-WAC finally!  
Message-ID: <125490A005E3D3118C9C00805FC743CC74B869@mail.arrl.org>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I finally got Asia confirmed for 2XQRP WAC, thanks to quick  
reply from Toru, JG1RVN/QRP. --Zack W1VT Newington CT

BTW--Congratulations to Joe, N2CX, on his well deserved  
election to the HOF.

-----  
Date: Thu, 25 May 2000 08:14:22 PDT  
From: "Doug Hendricks" <[ki6ds@hotmail.com](mailto:ki6ds@hotmail.com)>  
To: [rerobins@email.uncc.edu](mailto:rerobins@email.uncc.edu)  
Cc: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [71020] Re: Antennas: W6JJZ's Simple Antenna with LOW LOW Loss, or What I  
learned today.  
Message-ID: <20000525151422.90133.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Rick, brilliant solution!! Thanks for sharing. Others?? 72, Doug

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Thu, 25 May 2000 08:21:18 -0700  
From: "Cherry, Mark" <[mark.cherry@quickstart.com](mailto:mark.cherry@quickstart.com)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [71021] Apology for missed place post  
Message-ID: <C196130C4AE8D211A8CC0090274F3E2E01CEADF3@corpmail.quickstart.com>

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Yesterday I was trying to reinstate my downloading of messages from this forum. I needed to send a "query" command to the listserver to ensure my account was re-activated, as I had not been receiving any messages. Inadvertently, it was mis-addressed and was posted. Numerous recipients made sure, via private post, that my message was nonsense and idiotic. I want to thank them for their "help" in bringing this to light.

For those who deleted it, thank you!

Mark, WT6P  
Sacramento, CA

-----  
Date: Thu, 25 May 2000 10:21:32 -0500  
From: "Gary Lee Phillips" <ka9nzi@arrl.net>  
To: qrp-l@lehigh.edu  
Subject: [71022] Re: Old books on wireless? Reprints?  
Message-ID: <200005251521.KAA30659@mail.lib.colum.edu>

"Syntony and spark" is a good history, by Hugh Aitken.

Another one is "Two hundred meters and down" by Clinton Desoto.  
I think that is still available in paperback from the ARRL.

Ade Weiss covered a lot of early stuff in his "History of QRP" too. I don't know if that is still available, but you might find it used.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>  
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg  
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

-----  
Date: Thu, 25 May 2000 08:30:49 PDT  
From: "Doug Hendricks" <ki6ds@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [71023] SMK Parts Error: Minor, DON'T Panic!!, Grin  
Message-ID: <20000525153049.18601.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Guys, I made an error when kitting a run of SMK-1's. I grabbed the wrong

reel of parts, and inadvertantly put 470 ohm resistors in where I should have put .1uF caps. There were only 24 of them sold this way before Graham Firth, Ted Williams and Tony Fishpool discovered my error. They went to great pains to contact me, and I appreciate it very much. Thanks also to Glen Reid for relaying the message.

I sold 24 kits with the bad parts. I have found 9 of them. To check your kit, look at the .1 caps in Bag #1. They are in the upper left hand corner, and there should be 13 of them. If they say 471 on the parts, you have the wrong parts, and you need to send me an email stating so, include your snail mail address, and I will send you the correct parts. If your parts have no marking on them, then you have the correct parts. The 24 kits were sold at the last NorCal meeting and at the Wednesday and Thursday night sessions at Dayton. Also, the mistake was entirely mine, and NOT the kitting crew, who did a wonderful job of kitting.

Please put SMK-1: Wrong Parts in the subject line of your message. Thanks for the bandwidth, and I do apologize for any inconvenience that this has caused. 72, Doug

-----  
Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>

-----  
Date: Thu, 25 May 2000 08:35:12 -0700  
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>  
To: "'nilsbull@juno.com'" <nilsbull@juno.com>  
Cc: "'qrp1'" <qrp-1@Lehigh.EDU>  
Subject: [71024] Re: Queskin about winding binocular forms  
Message-ID: <87568F78ABDCD211A0AC0008C707718B029D0F09@az10exm03.sat.mot.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

They way I have always seen then used is that one pass through both holes is considered one turn. One turn looks ends up looking "U" shaped. The primary turns usually start and end from one end of the binc. core, and the secondary winding starts and ends from the other end.

I have been playing with QRP driver - final binocular transformer. They work great! I have been "looking over the shoulder" of an old 20w PA application note put out by Motorola in an old RF Power Device data book. It had some great comments about what did and did not work for them when using binocular cores, as well as some nice drawings on core configurations.

- Dan Tayloe, N7VE; AZ ScQRPions; Phoenix, Az

>Fellow winders,

>I've started one of those projects that seems to take forever 'cause I have  
>to scrounge up some parts. One of the parts, well, two of the parts, are  
>binocular forms. The question is: What is one turn on a bino form?

>Is one turn one pass of the wire through each hole? Or is that two turns?

>I can't believe that I built a K2 and still don't know this.

>Stupid gringos. Never keep any records unless they're playing at being  
>president & they buy stuff they don't need to trade with people who have  
>stuff they do need.

>Hints, suggestions & curses gleefully accepted.

>73

>Nils

-----  
Date: Thu, 25 May 2000 11:45:38 -0400  
From: osier <osier@northnet.org>  
To: qrp-l@lehigh.edu  
Subject: [71025] WTB : 30 meter rig .....  
Message-ID: <392D4AA2.2CEF6E5B@northnet.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello All !!!!

Looking for a 30 meter rig ....enjoy DX and CW and since my TT 509  
dosent have 30 would like to get in on the action !!!! ...please reply  
private ...Thanks !!!!!

73 es tn timer !!!!

George , N2JNZ/QRP

-----  
Date: Thu, 25 May 2000 08:56:51 -0700  
From: "K7RXV" <K7RXV@email.msn.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71026] ARP-L CD Volume 3  
Message-ID: <000b01bfc662\$0f7b59a0\$044e5fcf@rcs>

I have investigated getting the CD reproduced by a CD Duplication company.  
The price is very dependent on quantity. If I can get a commitment for 200

discs they will be \$5.00 a disc mailed. At 100 they would be \$8.00 shipped.

The disc would have black printing on the silver disc and be sent in a mailer. No Jewel Case for these prices.

If you are interested Send me an email. Funds would be collected only if we get enough to place an order. If we get to that point I would need the funds and a mailing label. Canadian orders would be slightly higher because of mailing costs.

72

Roger Steyaert, K7RXV  
K7RXV@email.msn.com

-----  
Date: Thu, 25 May 2000 09:05:14 -0700  
From: "JC Smith" <jc-smith@worldnet.att.net>  
To: <w4qo@amsat.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71027] Re: QRP Field Day and Logging ?s  
Message-ID: <004301bfc663\$0e060240\$8404480c@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jim and the gang,

I think you can get the latest version at Larry's website. The URL is:

<http://www.prllc.com/~locull/wr9r/>

Sorry I didn't post it earlier, but I didn't know what it was at the time I answered Brian's question. Also, it is shareware, not free with donations accepted as I thought (or maybe it changed??) At \$10 it's one of the best bargains in the business.

See ya on FD. W6CX 5A EB, I do 15 meters.

72 - JC,k0hps@amsat.org

----- Original Message -----

From: Jim Stafford <w4qo@amsat.org>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Thursday, May 25, 2000 4:48 AM

Subject: Re: QRP Field Day and Logging ?s

> We have used the WR9R program a lot at our Field Days. As info Bob  
> Finch, W9YA, has worked with Larry to update the program. It has many  
> updates but the one I like is the smoother CW sent from the computer.  
> But there are many others. For duping and partials, it is the fastest I  
> have seen. Check w9ya@amsat.org for how to obtain the newest version.  
> He had them at FDI and I saw it work there. So picked up a copy from  
> Bob, of course. Now if I can just find it in the boxes of goodies!!!

>

> --

> Jim Stafford

> <http://www.qrparci.org> w4qo@arrl.net

> <http://www.qrparci.org/pix/arci050.gif>

>

>

-----  
Date: Thu, 25 May 2000 12:06:29 -0400

From: Gordon <gordon@znet.groupz.net>

To: qrp-1@Lehigh.EDU

Subject: [71028] FS Ten Tec 509 +

Message-ID: <4.2.0.58.20000525120225.0096a6f0@mail.groupz.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Have the folowing for sale

Ten Tech 509 xcvr

CW filter model 208

50 Watt Amp model 405

heathkit QRP tuner

heathkit SWR/Watt mtr

all or in good condx except the swr mtr may need some work

also have manuals for all but the filter

\$475.00 postpaid

Gordon W4KYW

-----  
Date: Thu, 25 May 2000 09:24:02 -0700  
From: "n6wg:First n6wg:Last" <n6wg@earthlink.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [71029] Re: Trap Dipole Suggestions  
Message-ID: <001b01bfc665\$ec78cec0\$6fd4fc9e@oemcomputer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Mike

There have been several articles in QST about building traps with coax. You could use RG174 possibly to make a lightweight trap. Use the ARRL web page to search QST for the articles.  
It may be of interest to you.  
73, Bob N6WG

-----  
Date: Thu, 25 May 2000 18:30:31 +0200  
From: DL2FI@t-online.de (Peter Zenker)  
To: "QRP-L" <qrp-1@lehigh.edu>  
Subject: [71030] Back in Germany from FDIM  
Message-ID: <NBBBL000LDJMPIEAGJIOKECIEDAA.DL2FI@t-online.de>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello QRP fellows,

yesterday evening we arrived back in Berlin. Allthough we all are a little bit tired, we are feeling good. FDIM 2000 was an fantastic event and I wish to say a big, big THANK YOU to all the QRPers who did a great job in organizing.

Our Sponsor Knut, DG0ZB of QSL-SHOP / FUNKAMATEUR Magazin, who has been the first time in Dayton decided to participate next year again because FDIM and Ham Vention has been a big success for him also allthough we had to carry back several SPRAT CDs.

See you all again FDIM 2001

72 de Peter, DL2FI

-----  
Date: Thu, 25 May 2000 11:22:53 -0500  
From: Karl Kanalz <KKanalz@excel.com>  
To: "'Dan.Tayloe@motorola.com'" <Dan.Tayloe@motorola.com>, Low Power Amateur Radio Discussion <grp-1@Lehigh.EDU>  
Subject: [71031] RE: Queskin about winding binocular forms  
Message-ID: <2D343922E283D211945C0008C7A41B2A02B20BEA@adntex01.adsn.dal.excel.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

That's very true, Dan (and others), however \*one turn\* through \*one hole\* is still only one turn in terms of increasing the inductance of the wire that's used.

Continuing with that same conductor through a second hole is still only \*one turn\* through that \*second\* hole.

Binocular ferrites were developed (and are used) mainly for applications where a tightly-coupled transformer with symmetrical electrical balance is required, such as in balanced mixers and in coupling push-pull transistor output stages to a single-ended load.

If you'll look a binocular ferrite (or a "quad-ocular" ferrite) as simply two ferrite cores that are very close together (even touching!), you'll see the logic and analogy of the above comment(s).

"A turn through the hole is a turn through the hole is a turn with increased inductance, even if it's E-I laminations of a grain-oriented, silicon steel transformer coil"

Karl K - W8TIF  
McKinney, Texas



-----Original Message-----

From: Tayloe Dan-P26412 [mailto:Dan.Tayloe@motorola.com]  
Sent: Thursday, May 25, 2000 10:35 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Queskin about winding binocular forms

They way I have always seen then used is that one pass through both holes is considered one turn. One turn looks ends up looking "U" shaped. The primary turns usually start and end from one end of the binc. core, and the secondary winding starts and ends from the other end.

I have been playing with QRP driver - final binocular transformer. They work great! I have been "looking over the shoulder" of an old 20w PA application note put out by Motorola in an old RF Power Device data book. It had some great comments about what did and did not work for them when using binocular cores, as well as some nice drawings on core configurations.

- Dan Tayloe, N7VE; AZ ScQRPions; Phoenix, Az

>Fellow winders,

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>to scrounge up some parts. One of the parts, well, two of the parts, are  
>binocular forms. The question is: What is one turn on a bino form?  
>Is one turn one pass of the wire through each hole? Or is that two turns?  
>I can't believe that I built a K2 and still don't know this.  
>Stupid gringos. Never keep any records unless they're playing at being  
>president & they buy stuff they don't need to trade with people who have  
>stuff they do need.  
>Hints, suggestions & curses gleefully accepted.  
>73  
>Nils

-----  
Date: Thu, 25 May 2000 12:58:07 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l list <qrp-l@lehigh.edu>  
Subject: [71032] ARCI Hootowl Sprint - Cub Owners Note  
Message-ID: <392D5B9F.1E4576CD@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Gang,

To add to what Randy posted about the Hootowl this weekend, I will give

one of the new QRP club tee shirts with POCKET to the event winner.

For full details: <http://personal.palouse.net/rfoltz/arci/hoot.htm>

Also, if you are a Cub owner, I have a tee shirt for you if you score the most contacts using a Cub in the CQ WPX contest + the Hootowl Sprint: <http://www.e-discounter.net/qrparci/messages/948.html>

Good luck in the contest(s)!

--

Jim Stafford/W4Q0/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Thu, 25 May 2000 13:01:32 EDT  
From: PDouglas12@aol.com  
To: qrp-l@lehigh.edu  
Subject: [71033] OT: Toshiba T3600 laptop info needed  
Message-ID: <9a.545e96f.265eb66c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Gang,

Sorry to raise a peripheral issue, but I am getting a little laptop set up to do Field Day, and wonder if anyone out there has the literature (esp. the owner's manual for the Toshiba T3600CS laptop (circa 1996). Toshiba's website doesn't have it. (Would you believe four years is too old?--Boy, are we moving fast.)

I would cheerfully pay round trip transportation for the manuals and any native software that came with the machine so if I find a kind "donor," they would not be inconvenienced with copying, etc.

Incidentally, I have successfully upgraded my machine to run Win 95 and could help others to do so.

To make up for this OT post, I am writing a Dayton piece for posting soon.

72,

Preston WJ2V

-----  
Date: Thu, 25 May 2000 13:02:22 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l list <qrp-l@lehigh.edu>  
Subject: [71034] [Dayton] FDIM Feedback form now online  
Message-ID: <392D5C9E.5D055A10@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

The QRP ARCI News ( <http://www.qrparci.org/arcipg2.htm> ) page has a lot of new info on it including the link to the Dayton Feedback form:  
<http://www.qrparci.org/fdbkfdim.html>

Also, more pix of Dayton are now appearing on:  
<http://www.qsl.net/k4zol/daytonpix/> Not all the "full" sized photos are loaded, takes more than 20 megs so doing it as I have time. If there is a title on the thumbnails, then I think there is a full photo. Sorry for the orientation of some photos, just trying to save time and get them online asap.

--  
Jim Stafford/W4Q0/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Fri, 26 May 2000 01:03:45 +0800  
From: "Sly, 9M8SL" <cqsly@tm.net.my>  
To: ki6ds@hotmail.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71035] Re: Antennas: W6JJZ's Simple Antenna with LOW LOW Loss, or What I learned today.  
Message-ID: <20000525170345.VQUF7134@user>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:14 AM 5/25/00 PDT, Doug Hendricks wrote:  
>Rick, brilliant solution!! Thanks for sharing. Others?? 72, Doug

Hi Doug & Gang,

Yes, Rick idea is rather brilliant...

I remember reading in a Brit QRP

magazine column (can't remember which one exactly),

that uses parallel thin single core PVC cover wires (say less than 1mm, no idea on the A.W.G.?)

to make lightweight ladderline. The spacers are made from short pieces of drinking straw wrapped

around these homebrew parallel lines at regular intervals, and then stapled with tiny staple pins.

It lasted the guy many years!

This should be light enough for the SD20 or other roach poles to support. I guess, one can also dimensioned

W6JJZ's antenna that way. My light weight ladderline for similar doublets are also made from the

same tiny wires, with the except that I usually wrapped electrician tape around these parallel wires at

regular intervals to act as light spacers for my homebrew ladderline. Such spacers are certainly light weight

and they lasted many years too.

It's light, cheap and will certainly last quite a while for portable and field use.

I usually wound mine on hard paper/cardboard, and they are flat and easy to carry around.

A small plastic fishing spool will also do.

Try it, and you may get to like it !!!

Vy 72 to all,

de Sly, 9M8SL

Borneo Island, East Malaysia.

-----  
Date: Thu, 25 May 2000 13:12:09 -0400

From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [71036] Re: ARP-L CD Volume 3

Message-ID: <013e01bfc66c\$5d322c00\$3601b3d8@default>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Just my opinion here, with no offense toward K7RXV, but the process that is in place seems to be serving us well, as long as the CD burners don't mind "burning." For what we get, 10 bux is a perfectly reasonable price.

"If it ain't broke, don't fix it !"

73,  
Dick K2JQ  
Mahopac, NY

-----  
Date: Thu, 25 May 2000 13:16:56 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-l list <qrp-l@lehigh.edu>  
Subject: [71037] [FORUM] New features added/announced  
Message-ID: <392D6008.15B654C3@amsat.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Gang,

Check out: <http://www.qrparci.org/arcipg2.htm#qrpf>

The QRP Forum has been updated to include many new features. I know there has been some concern about the introduction of the forum. We have absolutely no intent to "fracture" the QRP community or anything like this. It is simply a capability that the web has developed and we feel it should be available for QRP use and benefit.

When it was introduced, it was recommended that tech subjects be limited to the qrp-l. What we are finding is that tech topics go good in both places, especially with the new graphical attachment feature - you show your equipment as a part of your message. The forum has been quite a good spot to keep up with the FOX during those events. Probably the most useful feature is the FULL search of all active and archived messages since the beginning of the forum. The dual posting restriction has also now been lifted. So post away wherever your heart leads you.

--

Jim Stafford/W4QO/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net

<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Thu, 25 May 2000 10:11:45 -0700  
From: David Shalita <af389@lafn.org>  
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>  
Subject: [71038] OT- book-OPAMP stability  
Message-ID: <392D5ED1.D38B7281@lafn.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

My appologies up front.

This is WAY off topic but I need input from some practical folks.

I am making several different op-amp circuits for my homebrew gear. Some circuits use a mic preamp LF356 driving a NE5532 headphone amp, dual 9v batteries, and drives two 32 ohm earphone elements (16 ohms). Problem is the circuits oscillate/motorboat or mute at low frequency. Bypassing the electret mic seems very critical to avoid motorboating.

I sure can use your recommendations for text/software that helps me understand how to estimate stability of the whole opamp circuit. LIKE to use WINSPIICE 3 if possible. Any newsgroups I should monitor?

Need pointer to "cookbook" and "software" such as Schauman's Outline that includes practical examples of how estimate stability and fix, including "BODE PLOTS"?

Thank you for any help and 73, W6MIK

--

David Shalita (Dave)  
af389@lafn.org  
Van Nuys, CA

-----  
Date: Thu, 25 May 2000 13:22:28 -0400  
From: Jim Stafford <w4qo@amsat.org>  
To: qrp-1 list <qrp-1@lehigh.edu>  
Subject: [71039] [CLUB] QRP ARCI Member Lookup now ONLINE  
Message-ID: <392D6154.DA7C543A@amsat.org>

MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

Try: <http://www.qrparci.org/lookup.html>

Now find your member number ONLINE along with your expiration date for your subscription. That should cut down on the number of messages that Mark and I receive asking for this info!

This data does not include the 78 new members who joined at Dayton. Those are still being processed. You will have to sign 5W (or whatever your power is) one more time for this contest, this weekend.

If your expiration date is APR 2000 or earlier and you did NOT renew this past week or at Dayton, you will need to renew in next 10 days to receive the July QQ.

Thanks for your support.

--

Jim Stafford/W4Q0/President QRP ARCI  
The Thrill is Back - QRP Is! 77 -993-95  
<http://www.qrparci.org> w4qo@arrl.net  
<http://www.qrparci.org/pix/arci050.gif>

-----  
Date: Thu, 25 May 2000 10:26:02 -0700  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>  
Subject: [71040] SGC Website  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB5B@arcadia-pd1.arcadiapd.com>  
MIME-Version: 1.0  
Content-Type: text/plain

There were questions regarding SGC-2020 radios on the list.  
You might look at [www.sgcworld.com](http://www.sgcworld.com) for their specs and products.

My 2020 questions are:  
Is the TR relay noisy (ex: wakes up others)?  
What do you think of the SGC2020 as a pack radio or as a suitcase radio?

Thanks  
J. Coote  
W6CJ

-----  
Date: Thu, 25 May 2000 13:30:14 -0400  
From: "Paul Christensen" <paulc@mediaone.net>  
To: <af389@lafn.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [71041] Re: OT- book-OPAMP stability  
Message-ID: <019a01bfc66e\$e74627a0\$ef230e3f@paulc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

The "reference" for op-amp design comes from Walt Jung who wrote "The Op-Amp Cookbook," and "Op-Amp Applications." Both are available from SAMS Publishing. Both books are indispensable for the circuit op-amp designer.

-Paul, W9AC

-----Original Message-----

From: David Shalita <af389@lafn.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Thursday, May 25, 2000 1:21 PM  
Subject: OT- book-OPAMP stability

>Hi,

>

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>

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>

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>how estimate stability and fix, including "BODE PLOTS"?

>



>Thank you for any help and 73, W6MIK  
>--  
>David Shalita (Dave)  
>af389@lafn.org  
>Van Nuys, CA

-----  
Date: Thu, 25 May 2000 10:55:35 -0700  
From: Jim/Julia <w7ls@blarg.net>  
To: prn@hiwaay.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71042] Re: Portable power supply for DSW?  
Message-ID: <392D6917.5485DCF0@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Actually, 8 AA alkalines only produce 12v, nominally. You should consider on or maybe two more, to give more like 15 volts before sagging. That is awfully close to the limit, and you should consult Dave Benson NN1G at [www.smallwonderlabs.com](http://www.smallwonderlabs.com)

The reason for the suggestion is that if you start out at only 12 volts, a little useage will drop the voltage and the power output will fall off precipitously. I have used 8 AA cells for long periods of time, though. Jim W7LS

Richard Matthews wrote:

> At 08:19 PM 5/24/00 -0500, you wrote:  
> >Anyone have suggestions for portable power supply for DSW-40. I will be  
> >backpacking, so lightweight is essential. Will 8 AA's provide enough  
> >current? That seems to work, but manual say 500ma recommended? Other  
> >suggestions?  
> >Brian Lewis  
> >K5RV QRP-L 324  
> .....  
>  
> Brian, I power my DSW-40 with 8 AA nicads and it works fine . . . for a  
> while. With use the E drops and of course the output drops but continues  
> working until you reach the low voltage cutoff point. I've made numerous  
> portable contacts with this setup and one thing for sure, no PS hum.  
>  
> 73  
>  
> Richard WA4NWW

-----  
Date: Thu, 25 May 2000 13:56:00 -0400  
From: "Paul Christensen" <paulc@mediaone.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71043] Re: OT- book-OPAMP stability  
Message-ID: <01eb01bfc672\$7d72a520\$ef230e3f@paulc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Correction: That should be Prentice-Hall Publications. Here's a direct link to Walt Jung's Op-Amp Cookbook:

[http://www.phptr.com/ptrbooks/ptr\\_0138896011.html](http://www.phptr.com/ptrbooks/ptr_0138896011.html)

And "Operational Amplifier Characteristics and Applications" authored by Robert Irvine:

[http://www.phptr.com/ptrbooks/esm\\_0136060889.html](http://www.phptr.com/ptrbooks/esm_0136060889.html)

-Paul, W9AC

-----Original Message-----

From: Paul Christensen <paulc@mediaone.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Date: Thursday, May 25, 2000 1:36 PM  
Subject: Re: OT- book-OPAMP stability

>The "reference" for op-amp design comes from Walt Jung who wrote "The  
>Op-Amp  
>Cookbook," and "Op-Amp Applications." Both are available from SAMS  
>Publishing. Both books are indispensable for the circuit op-amp designer.

>  
>-Paul, W9AC  
>

>-----Original Message-----

>From: David Shalita <af389@lafn.org>  
>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
>Date: Thursday, May 25, 2000 1:21 PM  
>Subject: OT- book-OPAMP stability

>  
>  
>>Hi,  
>>

>>My appologies up front.  
>>This is WAY off topic but I need input from some practical folks.  
>>  
>>I am making several different op-amp circuits for my homebrew gear.  
>>Some circuits use a mic preamp LF356 driving a NE5532 headphone amp,  
>>dual 9v batteries, and drives two 32 ohm earphone elements (16 ohms).  
>>Problem is the circuits oscillate/motorboat or mute at low frequency.  
>>Bypassing the elecuret mic seems very critical to avoid motorboating.  
>>  
>>I sure can use your recommendations for text/software that helps  
>>me understand how to estimate stabilty of the whole opamp circuit.  
>>LIKE to use WINSPIICE 3 if possible. Any newsgroups I should monitor?  
>>  
>>Need pointer to "cookbook" and "software" such as  
>>Schauman's Outline that includes practical examples of  
>>how estimate stability and fix, including "BODE PLOTS"?  
>>  
>>Thank you for any help and 73, W6MIK  
>>--  
>>David Shalita (Dave)  
>>af389@lafn.org  
>>Van Nuys, CA  
>

-----  
Date: Thu, 25 May 2000 14:00:18 -0400  
From: "Richard E. Robinson" <rerobins@email.uncc.edu>  
To: qrp-l@lehigh.edu  
Subject: [71044] Re: SGC2020  
Message-ID: <v03102802b553177fb513@[152.15.144.71]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

There is a product review of the SGC-2020 from the October 1998 QST on the ARRL members only web site.

<http://www.arrl.org/members-only/prodrev/pdf/pr9810.pdf>

This is a "must read" for anyone considering the purchase of an SGC-2020.

Wasn't there a comparison of current qrp rig specs posted a few months ago that included the SGC-2020, the K2 and others?

72,

Rick kf4ar

-----  
Date: Thu, 25 May 2000 12:22:13 -0600 (CST)  
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [71045] Re: HR4K: New Article  
Message-ID: <Pine.OSF.4.20.0005251215370.29540-100000@duke.usask.ca>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; charset=US-ASCII

Thanks for all the comments/suggestions. I was especially fascinated by Art Marshall's stuff on early spark-gap transmitters.

For those concerned about the safety and well-being of the cat, I added a caution about not over-petting and inadvertently shocking the cat.

I also enjoyed the suggestion about using QCP to denote using cat power... I suppose it could lead to some interesting QSO's "...DE VE5RDV rig here Persian..."

Brian Buydens  
Veterinary Electronic Data Specialist  
Computing Services, University of Saskatchewan  
email: Brian.Buydens@usask.ca  
<http://duke.usask.ca/~buydens>  
VE5RDV

-----  
Did you hear about the two antennas that got married? The wedding was a disaster but the reception was great!

-----  
Date: Thu, 25 May 2000 11:30:41 -0700  
From: Roger Hightower <n7kt@worldnet.att.net>  
To: QRP-L <qrp-l@lehigh.edu>  
Subject: [71046] CQ WW WPX rules  
Message-ID: <392D7151.398DEC49@worldnet.att.net>  
MIME-Version: 1.0

```
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
```

Thought I'd check out the rules for the 'test this weekend, so I looked in the Contest Corral, QST, May 2000 issue (page 91).

It referred me to page 100 of the March 1000 issue. My library doesn't go back that far, :-)

--

72.....Roger

Roger Hightower, N7KT      Mesa, AZ    K2#591    SOC #14

-----

Date: Thu, 25 May 2000 14:42:34 -0400 (EDT)  
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>  
To: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [71047] Re: HR4K: New Article  
Message-ID: <Pine.BSI.4.05L.10005251441080.17978-100000@vh1.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 May 2000, Brian.Buydens@usask.ca wrote:

```
> I also enjoyed the suggestion about using QCP to denote using cat
> power... I suppose it could lead to some interesting QSO's "...DE VE5RDV
> rig here Persian..."
```

I guess I'll have to add that to the list of missing qsignals

de k3hrn/qcp?domestic short hair

[illegible]

<a href="http://www.baltimoremd.com/">http://www.baltimoremd.com/</a>	Baltimore's Home Page
<a href="http://www.baltimorehon.com">http://www.baltimorehon.com</a>	Home of the Baltimore Lexicon
<a href="http://www.min.net/~thom/">http://www.min.net/~thom/</a>	Home of the Drake Mailing List

Date: Thu, 25 May 2000 12:39:39 -0600  
From: "Rod, N0RC" <n0rc@qsl.net>  
To: <w7ls@blarg.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [71048] Re: Portable power supply for DSW?

Message-ID: <006501bfc678\$9a8d7440\$cc891004@compaq>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks:

I tested a DSW-40 with some different batts:

First the 9V square batt we all know and love. I got about 45 min of operation and about 400-500mW output. Had a nice QSO with a ND station.

I also tried a 8pack of AA Alkalines for an ARS sprint, called CQ a lot, higher current draw, ran the whole 2 hour sprint, at the end I was still putting out close to one watt. AA Alkalines have an energy capacity of about 2500mA hours. Data sheet available at the Energizer and Duracell web sites. (I once left the 8 AA's on the DSW40 over night abt 8hours, in RX mode, the rig was still RXing fine.) If you want a little more TX power use 10 AAs, haven't tried it but expect that setup to last abt 2 hours at Pout 1.5-2W.

I also want to try rechargeable NiMH cells. I have some here from Batteries Plus, brand name Xtreme. 1500mA hours. I expect about 1 to 2 hours of DSW operation from them.

BTW the DSW can be operated down to almost 6 volts, then the regulators start cutting out. Got that from the horses mouth, Dave Benson. Tested and proved when I ran the 9V batt test above.

HPE this helps.

---

72/3 Rod, N0RC -- Fort Collins, CO

----- Original Message -----

From: Jim/Julia <w7ls@blarg.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Sent: Thursday, May 25, 2000 11:55 AM  
Subject: Re: Portable power supply for DSW?

> Actually, 8 AA alkalines only produce 12v, nominally. You should consider on  
> or maybe two more, to give more like 15 volts before sagging. That is awfully

> close to the limit, and you should consult Dave Benson NN1G at  
> [www.smallwonderlabs.com](http://www.smallwonderlabs.com)  
> The reason for the suggestion is that if you start out at only  
12 volts,  
> a little useage will drop the voltage and the power output will fall  
off  
> precipitously. I have used 8 AA cells for long periods of time,  
though. Jim  
> W7LS

-----  
Date: Thu, 25 May 2000 14:44:40 -0400  
From: Ed Kessler <edkess@epix.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [71049] F.S. QRP Rigs  
Message-ID: <392D7498.EFEFD749@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I've accumulated too many radios.

NORCAL 40A  
In original black enclosure.  
Tick keyer installed.  
\$100 shipped.

WILDERNESS RADIO NORCAL 40A  
Converted to 80 Meters.  
\$90 shipped.

SW + 30 METERS  
In very nice enclosure.  
\$65 shipped.

MFJ CUB -- 15 METERS  
I had some trouble with this radio after building it.  
There were two problems: VFO drift, and the power out  
would drop off sharply after keying the radio.  
VFO drift was solved by replacing original caps with NPOs.  
Pwr Out drop off was solved by replacing the SMT 2222  
with a standard 4401. Now puts out a stable 1.5W.  
Has a pretty good receiver.  
\$90 shipped.

Manual included with each radio.

73s,  
Ed AA3SJ

-----  
Date: Thu, 25 May 2000 14:49:52 -0400  
From: Ed Kessler <edkess@epix.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [71050] F.S. Atomic Keyer  
Message-ID: <392D75D0.58F29F31@epix.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

For Sale:  
Atomic Keyer in garage door type  
enclosure. Set up for 3v (two AAA) battery  
operation. All documentation included.

\$15.00 plus shipping (its weighs very little).

73s  
Ed AA3SJ

-----  
Date: Thu, 25 May 2000 12:00:50 -0700  
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>  
To: "'rerobins@email.uncc.edu'" <rerobins@email.uncc.edu>, Low Power Amateur Radio  
Discussion <qrp-l@Lehigh.EDU>  
Subject: [71051] RE: SGC2020  
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB5C@arcadia-pd1.arcadiapd.com>  
MIME-Version: 1.0  
Content-Type: text/plain

List-  
I'd like to get a copy of that ARRL SGC2020 review, only I am not a  
member.  
If no copyright problems, could someone send me an FA of the review?  
Thanks,  
Jay  
W6CJ



-----Original Message-----

From: Richard E. Robinson [mailto:rerobins@email.uncc.edu]  
Sent: Thursday, May 25, 2000 11:00 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: SGC2020

There is a product review of the SGC-2020 from the October 1998 QST on the  
ARRL members only web site.

<http://www.arrl.org/members-only/prodrev/pdf/pr9810.pdf>

This is a "must read" for anyone considering the purchase of an SGC-2020.

Wasn't there a comparison of current qrp rig specs posted a few months ago  
that included the SGC-2020, the K2 and others?

72,

Rick kf4ar

-----  
Date: Thu, 25 May 2000 09:13:30 -1000  
From: "Daniel" <hamop@pixi.com>  
To: <qrp-l@Lehigh.EDU>  
Subject: [71052] Re: Not QRP related but...  
Message-ID: <200005251913.JAA00942@phoenix.pixi.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Thanks to those that responded. Got some good ideas to keep my Hallicrafter going great.

Aloha,  
Daniel  
AH7MI

-----  
A man should keep for himself a little back shop, all his own, quite unadulterated, in which he establishes his true freedom and chief place of seclusion and solitude.

- Montaigne  
-----

-----  
Date: Thu, 25 May 2000 15:16:17 +0000  
From: Michael Neverdosky <mneverdosky@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71053] Re: HR4K: New Article  
Message-ID: <392D35B1.635EF161@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QPM Your signal is purr modulated.  
QPM? Is my signal purr modulated?

I have 9 cats here, does that take me out of the QRP  
catagory?

michael N6CHV

"baltimoremd@baltimoremd.com" wrote:  
>  
> On Thu, 25 May 2000, Brian.Buydens@usask.ca wrote:  
>  
> > I also enjoyed the suggestion about using QCP to denote using cat  
> > power... I suppose it could lead to some interesting QSO's "...DE VE5RDV  
> > rig here Persian..."

-----  
Date: Thu, 25 May 2000 15:33:21 -0400 (EDT)  
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>  
To: Michael Neverdosky <mneverdosky@earthlink.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [71054] Re: HR4K: New Article  
Message-ID: <Pine.BSI.4.05L.10005251528410.20372-1000000@vh1.min.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 May 2000, Michael Neverdosky wrote:

> QPM Your signal is purr modulated.  
> QPM? Is my signal purr modulated?

Gad, more to add to the list  
>  
> I have 9 cats here, does that take me out of the QRP  
> catagory?

QRP ARCI Hoot Owl Sprint (CW) ... QRP Contest!

May 28 - 2000 to 2400 (Local Time)

Rules: <http://personal.palouse.net/rfoltz/arci/hoot.htm>

~~~~~  
Michigan QRP Memorial Day Sprint (CW) ... QRP Contest!

May 29 - 2300z to May 30 - 0300z

Rules: <http://www.tir.com/~n8cqa/rules2000.htm>  
~~~~~

-----  
Date: Thu, 25 May 2000 16:11:13 -0400  
From: neil tanner <ntan@crosslink.net>  
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [71056] dixie pixie test  
Message-ID: <392D88E1.F6A1D229@crosslink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings-

Gonna try another test with the Dixie Pixie at 2230Z on 7039+/-, may  
lower the power down to about 250mW. 72 Neil WA4CHQ

-----  
Date: Thu, 25 May 2000 13:27:21 -0700  
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>  
To: rerobins@email.uncc.edu  
Cc: QRP-L <qrp-l@lehigh.edu>  
Subject: [71057] Re: SGC2020 and K2  
Message-ID: <392D8CA9.691972E5@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

[http://www.elecraft.com/K2\\_perf.htm](http://www.elecraft.com/K2_perf.htm) has a spec. comparison chart  
between the K2 and a number of rigs, including the 2020.

73, Eric

--

<http://www.elecrafter.com>

=====

You wrote:

Wasn't there a comparison of current qrp rig specs posted a few months ago

that included the SGC-2020, the K2 and others?

72,

Rick kf4ar

-----  
Date: 23 May 2000 16:02:07 -0400

From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>

To: af389@lafn.org

Cc: qrp-l;

Subject: [71058] Re: OT- book-OPAMP stability

Message-ID: <2000May23.160207-0400@[130.113.234.7]>

David and other homebrewers.

"Motorboating" is caused by:

- 1) An automatic-gain-control circuit with bad time-constants.
- 2) Groundloop coupling of output signal back to input.
- 3) power supply coupling of output signal back to input.

The circuit stability of those op-amps will only affect stuff above about 10Khz (or maybe even 100Khz). Not at the very low sub-audio frequencies where motorboating takes place. You won't likely get workbench or SPICE to simulate this problem, unless its (1) above.

Here's a test to see if its (2) or (3) described above: Disconnect the headphone load. If motorboating stops, then the cause is certainly output current coupling back to the microphone input. You'll need a scope to see the output signal to do this test.

Or you can add a few kilohms series resistor to the headphones. If motorboating stops (you still oughta be able to hear the put-put-put with a few thousand ohms) then prognosis is the same - output to input coupling.

If the circuit is battery operated, sometimes the battery impedance is high enough to allow stage-to-stage coupling (as in (3) above). A fresh battery may solve the problem.

For (2) and (3) above, a better circuit layout can also solve the problem. I'm betting this is the REAL cause of your motorboating. Layout REALLY matters

in high power-gain circuits.

In <392D5ED1.D38B7281@lafn.org>, David Shalita wrote:

>I am making several different op-amp circuits for my homebrew gear.  
>Some circuits use a mic preamp LF356 driving a NE5532 headphone amp,  
>dual 9v batteries, and drives two 32 ohm earphone elements (16 ohms).  
>Problem is the circuits oscillate/motorboat or mute at low frequency.  
>Bypassing the electret mic seems very critical to avoid motorboating.

-----  
Date: Thu, 25 May 2000 21:18:12 +0100  
From: wd3p@juno.com  
To: epaqrp-1@Lehigh.EDU, qrp-1@Lehigh.EDU  
Subject: [71059] AT Trip - posted to web  
Message-ID: <20000525.211946.-3722685.0.wd3p@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit

Hi Gang,

I finally got around to finishing the job and put up at my web site some pictures and maps from the trip I made earlier this month to the AT in MD. Take a look if you so please. There is a link right of the main page.

73/72 de Larry.....WD3P in MD  
<http://www.qsl.net/wd3p>  
or  
<http://www.erols.com/lejek>

-----  
YOU'RE PAYING TOO MUCH FOR THE INTERNET!  
Juno now offers FREE Internet Access!  
Try it today - there's no risk! For your FREE software, visit:  
<http://dl.www.juno.com/get/tagj>.

-----  
Date: Thu, 25 May 2000 14:39:18 -0700 (PDT)  
From: David Matthews <vk2kfa@yahoo.com>  
To: qrp-1 #post <qrp-1@Lehigh.EDU>, vk1zqrp #post <vkz1qrp@onelist.com>  
Subject: [71060] QRP-L CD Vol 3 - for VK/ZL  
Message-ID: <20000525213918.10961.qmail@web216.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Folks,

I'm now distributing the QRP-L CD Vol 3 for VK and ZL.  
For those unfamiliar with these archives, here's a quick list of contents :

=====

- QRP-L Archive
- Yearly Indices
  - \* Subject Indices
  - \* Sequential Indices
- Subject Word Indices
  - \* All Years
- KB0HQU's Pixie and SMiTe files
- NEC2 - The NEC antenna design program
- PCPGMS - Misc Utilities
- RUFZ - The RUFZ morse code program
- SPICE - Spice modeler and many of the models included
- WB8RCR - QSLmaker and some graphics - The latest version
- Elmer101 Discussion of the SW40+ CW Transceiver

The Small Wonder Labs SW40+ radio is a simple kit designed and distributed by Dave Benson. The Elmer101 project uses this kit as a learning tool so that you can discover how radio receiving and transmitting circuits work.

- part-by-part dictionary of SW 40+ kit
- A Colpitts VFO oscillator
- SA612: A Gilbert-Cell Transmit Mixer
- 7MHz. Bandpass filter and Transmit Linear Amplifier
- Transmit/Receive switching circuits
- Receiver Front End
- Crystal Ladder I.F. filter
- Receiver's Audio Amplifier Circuits
- Q6 final RF Amplifier
- Acoustically Resonant Loudspeaker
- The R2 Single Sideband Receiver Revisited: the R2a
- R2a photo all boards mounted
- R2a Preamp & quadrature tuning board
- A "Fireball" - type 1.6W transmitter on 28.322MHz
- Photo of homebrew Fireball
- Dummy Loads, RF voltage, RF current probes
- A sample of Chuck Adams (father of QRP-L) material:
- K5FO's Stuff for QRP-L CDRom (list not 100% complete, there's more)
  - Small straight key
  - NN1G rig in TenTec case
  - Shur straight key
  - Bunnell straight key
  - McElroy straight key
  - NC40a XCVR
  - Tejas Keyer and Envirotronic paddle

Envirotronic paddle  
MFJ-840 wattmeter that will work at HF  
NC40a XCVR  
Ungar tip on a Weller iron that I use  
Heath IM2410 counter and GC-1000 clock at 3.6000000MHz WWV  
Kent paddle  
March paddle  
March paddle  
OHR DD-1 Digital display  
GM-30 in TenTec case with vinyl covering  
NN1G SWL GM-30 in TenTec case  
Sierra XCVR from Wilderness Radio  
Original Sierra XCVR kit  
CMOS III keyer in TenTec case  
Band module from Sierra kit  
Receiver from MXM  
VE3DNL frequency marker  
SWL-40 from NN1G's Small Wonder Labs  
Helping hand made from wood and wooden clothespins  
TenTec case with NN1G rig inside  
SWL GM-30 board assembled  
OHR Explorer II kit  
MFJ-249 SWR Analyzer  
K5FO case with NN1G 20 meter XCVR inside  
NC40a from Wilderness Radio  
Original NorCal 40a kit  
OHR DD-1 insides  
OHR WM-1 Wattmeter  
OHR 100 XCVR  
NN1G GM-17 17 meter XCVR  
Vibroplex Brass Racer S/N #1  
NN1G GM-17 17 meter XCVR  
Mercury Paddle  
CMOS III Keyer Kit  
Envirotronic Paddle  
Heathkit PSA-9 12V P/S for HW-9 XCVR  
RF Probe built ugly construction style  
WBL V22 paddle  
WBL V2L paddle  
NN1G's new DSW-40 40 meter digital synth. rig  
OHR100 40M version  
NN1G GM-30 kit  
SW-40+ prototype kit from NN1G  
NorCal 20 Kit being assembled  
NorCal 38 Special Kit  
Restored Brown Bros paddle  
Vibroplex presentation bug  
TenTec 1340 XCVR kit brand new



Crystal checker, VE3DNL and ARRL marker generator  
Bencher chrome paddle  
G4ZPY mini paddle  
NorCal 20 XCVR  
Handmade paddle from Czechoslovakia  
Handmade paddle from Czechoslovakia  
SST 30 XCVR  
Zeit WWV clock  
SST 30 with paddle  
Casio model DQ 712 clock  
Restored Bunnell straight key  
Key restoration projects  
NN1G Freq-Mite kit  
K8IQY 2N2222 XCVR  
NN1G SW-40+ XCVR  
K8IQY Rig  
Brown Brothers Paddle restored by K5FO  
SST 40 kit being built without instructions  
SST 40 kit  
ARRL CD for Introductory Morse  
MFJ Morse Tutor  
SWL 20+  
AADE L/C meter with K5FO patented gizmo  
Ever wonder what's in a crystal?  
TenTec external VFO for Corsair I  
Corsair I from TenTec, the best rig I own  
GM-30 kit

=====

Much of the material for this one is the same as Volume 2,  
except, of course, for the updated archives.

Ok, now how to get your own Version 3 copy of the CD. de VK2KFA

I'm (VK2KFA) ready to take orders for the QRP-L CD Version 3,  
dated May 7, 2000.

I can supply a blank CD or accept one from you.

Plan A: Your blank CD

-----

You supply your own CD and mailer.  
I burn and return same.

Plan B: I provide blank CD

-----

You send me AUS\$10, I send you a burnt CD in my mailer.

Questions? Wanna order it ? Send email to me here at VK2KFA@YAH00.COM  
(please make the subject line "QRP-L CD")

Thanks and 73s,  
David VK2KFA

-----  
Do You Yahoo!?  
Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>

-----  
Date: Thu, 25 May 2000 17:42:09 EDT  
From: Mercxx@aol.com  
To: qrp-l@lehigh.edu  
Subject: [71061] FS QRP transcievers  
Message-ID: <94.4d7ae6e.265ef831@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Good afternoon,

I have for sale 2 qrp transcievers. The first one is an early NN1G design, covers frequency range from 7.001 to 7.045. Has a Tick keyer, RIT and a incremented tuning knob. It is a VFO tuned transciever. It is built into a external computer modem case and is quite a sharp set up. I am asking 75.00 (shipping included in CONUS)

The second is a W7EL design transciever, built in an aluminum case, has RIT, covers 7.0 to 7.1. No internal keyer. I am asking 50.00 for this one (shipping also included).

If one person wants both of them the price will be 105.00 (shipping included)

Thanks for the read.

73  
Steve  
N4TKP  
QRP-L 1763

-----  
Date: Thu, 25 May 2000 14:59:32 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>  
Subject: [71062] Network Analyzer fun continues.

Message-ID: <392DA244.FA6255A1@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang, how y'all doin? It's been good here with some decent weather for a change. My heart doesn't start beating regular until it's up into the 90's for a few days. Today it's only 88 so I may need a jacket.

With the network analyzer and building homebrew splitters I found out that the method of winding the toroid is 90% of the performance!

Also, today I grabbed an old BUD Low-Pass filter that needed work and got it all fixed up. Tuned it up nicely on the spectrum analyzer and it has -20 dB return loss input/output match and less than .6 dB loss at 35 MHz with a -3dB rolloff tunable which I set to 40 MHz. Nice filter!

Oh, I just remembered about a thread regarding K2's for \$1000 and up. There are many hams that can't build and it is worth it to them to pay for the labor to some degree. Having built 4 K2's for nothing but good Karma, I feel that is even better than making money. There is however, absolutely nothing wrong with compensation for work performed. Just think, if I'd have charged for my time I'd have bought a K2 by now and had cash to spare! Wowza! The good Karma however, is priceless.

Anyway, i gotto check the shack for more things to test/tune on the Network analyzer -- or build some!

Have a great weekend. -Ed "72"

--

72/Ed we6w; A-1 OP; SOC#63; QRPL#1068  
<http://www.qsl.net/we6w> Santa Rosa, CA  
My 2 pennies worth is just common cents.

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Date: Thu, 25 May 2000 18:12:07 -0400 (EDT)  
From: Bob Patten <n4bp@bc.seflin.org>  
To: QRP-L Reflector <qrp-l@lehigh.edu>  
Subject: [71063] QRP-L CD Vol 3 in Production  
Message-ID: <Pine.3.89.10005251820.C26739-0100000@bc.seflin.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

Spent part of the afternoon designing a label for the CD's and burning a couple from the original that John, WB8RCR sent me. So, I am now in production and ready to take orders from anyone interested.

73,

Bob Patten, N4BP ( 0 0 ) Plantation, FL  
-----o00o-( )-o00-----

E-Mail: n4bp@bc.seflin.org  
Web Page: <http://www.qsl.net/n4bp>  
Brass Pounder BBS: (954) 472-7715  
SOC #1Whiners #6

-----  
Date: Thu, 25 May 2000 15:46:58 -0700 (PDT)  
From: Steve Yates <aa5tb@yahoo.com>  
To: QRP-L Distribute <qrp-l@Lehigh.EDU>  
Subject: [71064] SGC Information  
Message-ID: <20000525224659.7425.qmail@web3004.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

There is a relatively new site called "SG Club International" with information on some of the SGC products, especially the SG-2020. The URL is:

<http://www.qsl.net/sgci/>

=====

73,  
Steve Yates - AA5TB

Fort Worth, TX - EM12gs  
<http://www.geocities.com/aa5tb>  
aa5tb@arrl.net

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Do You Yahoo!?  
Kick off your party with Yahoo! Invites.  
<http://invites.yahoo.com/>

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End of QRP-L Digest 1832  
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